



HANNspree

28"

Liquid Crystal Display Television

Fernsehers mit Flüssigkristallanzeige

Téléviseur à Écran à Cristaux Liquides

TV de Pantalla de Cristal Líquido

Questo televisore LCD

LCD (vloeibaar-kristalscherm) TV

Televisor com Ecrã de Cristais Líquidos

Telewizora ciekłokrystalicznego

Жидкокристаллического

Телевизионного Дисплея

User's Manual

HANNSPREE, INC.
www.hannspree.com

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Regulatory Information

CE Conformity Statement

This device is in conformity with the requirements of EU Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility and Directive 2006/95/EC on the harmonization of the laws of Member States relating to electrical equipment for use within certain voltage limits. Hannspree cannot accept responsibility for any failure to satisfy the requirements resulting from a non-recommended modification of the device.

Description of Warning Symbols



WARNING



This symbol is used to alert users to pay attention to important descriptions regarding usage, maintenance (repair), and additional important information related to this TV.

CAUTION



This symbol is used to alert users to the risk of electric shocks due to dangerous and uninsulated components.

Safety Notices



Installation Safety Notes

Location

Avoid allowing the TV to get prolonged exposure to sunlight or other strong sources of heat. Leave sufficient distance between the TV and the wall to provide enough space for the emission of heat.



WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.



CAUTION

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.

Notes:

- **The LCD TV is for entertainment use only and visual display tasks are excluded.**
- **This device uses a VGA connector to connect to a PC. To reduce the influence of main frequency on the source signal, use a VGA monitor cable with ferrite shield.**

Personal Safety

1. To avoid overloading the power supply, never plug too many electrical devices into an outlet, power strip, or extension cable.
 2. Dangerous high-voltage electric power components are located inside the TV. To avoid electric shock, do not disassemble the casing.
 3. Do not place or drop metals, small objects, or flammable materials into the vent of the TV.
 4. If the TV is dropped, falls down, or is otherwise damaged, unplug the power cord immediately and contact an authorized service technician.
 5. If any fluid is sprayed or dropped into the TV, contact an authorized service technician.
 6. The screen of the TV is made of glass. Avoid hitting or scraping it. If the screen is broken, do not touch the broken glass.
 7. Do not allow children to use the TV unattended.
 8. Be careful when disconnecting the power plug. Hold the plug. Do not attempt to disconnect the plug by pulling on the power cord.
-

Installation

1. Do not place the TV in locations where there is excessive steam or dust.
 2. Avoid blocking the TV's vents, do not place the TV on a bed, sofa, carpet, or in a sealed cabinet.
 3. Install the outdoor antenna away from power transmission lines to avoid possible danger.
-



Preface

Thank you for purchasing a Hannspree Liquid Crystal Display Television (LCD TV). Your new TV will allow you to enjoy superior audio and video while enriching your lifestyle with advanced technology.

Please carefully read this manual in its entirety before setting up, using or operating your TV. To ensure the safe and correct installation and operations of the TV, it is important that the safety and operation instructions in this manual are followed.

This instruction manual is designed to assist you in setting up and using the TV. The information in this manual has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this manual is subject to change without notice.

To the extent allowed by applicable law, Hannspree, Inc. ("Hannspree") shall not be liable for direct, indirect, special, exemplary, incidental or consequential damages arising from any defect or omission in this manual, even if advised of the possibility of such damages in advance.



Warranty and Service

For complete warranty service information, please refer to the "Warranty Card" enclosed with your TV.

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Trademark Notice

HDMI Hannspree products incorporate High-Definition Multimedia Interface (HDMI™) technology.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

1.1 Package Contents

Make sure the following components are included in the box. Please contact Hannspree Customer Service immediately if anything is missing or damaged.

- TV
- User's manual
- Quick start guide
- Warranty card
- Power cord
- Remote control and batteries



ME61



According to WEEE regulation, this TV can't be handled as normal trash in Europe when it is out of usage. Please refer to the recycle information from our website to handle it.

As an ENERGY STAR[®] Partner, Hannspree has determined that this product meets the ENERGY STAR[®] guidelines for energy efficiency.

1.2 Introducing the TV

You can watch SECAM/ PAL/ DVB-T broadcast, cable, or digital television channels, and easily connect a VCR, STB or DVD player to the SCART, component, and HDMI input ports (location of these ports depends on model). You can also use the TV as a monitor for your PC by connecting it through the VGA port.

Convenient control buttons located on the TV and a handy remote control let you change channels, adjust the volume, and change display settings through an easy-to-use on-screen display menu system. The built-in stereo speakers provide full rich sound and a convenient audio output port lets you connect to an external audio system or earphones.


1.3 Features

- TV Tuner: Built-in TV Tuner
- Audio/ Video support:
 - SCART inputs
 - VGA (PC) input
 - HDMI inputs
 - YPbPr inputs
 - R/L audio inputs
 - PC line input
 - 3.5 mm stereo earphone output
- On-Screen Display (OSD) menu system
- Teletext (TV RF+SCART) 1.5v. with 1000 pages memory
- Built-in stereo speakers
- Image Enhancement Technology
 - 3:2/2:2 pull down
 - 3D Comb Filter
 - HD-ready TV
- Noise Reduction
- Advanced 3D de-interlacing
- Edge Enhancement








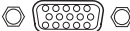

Note:




- The supporting devices mentioned in this manual may vary on different models. For more information, please refer to the manufacturer's user manual or the Quick Start Guide of your TV model.

1.4 Control Panel



Description	Button	Function
Power		Press to turn the TV on or off.
Input source	INPUT	Press to select the proper input source.
Menu	MENU	Press to open the OSD menu.
Program select	P ▲	Press to increase the program number or move upward to the previous item on the OSD menu.
Program select	P ▼	Press to decrease the program number or move downward to the next item on the OSD menu.
Volume adjust	VOL +	Press to increase the volume or move to the right on the OSD menu.
Volume adjust	VOL -	Press to decrease the volume or move to the left on the OSD menu.
Remote IR sensor		Receive incoming remote control commands.
Power/ Standby indicator		Indicate power or standby status.
Speakers		Deliver high-quality sounds.



1.5 Input and Output Jacks

Description	Connector	Function
Cable/Antenna	 TV/DTV CABLE/ANTENNA	Connect to an antenna or cable TV.
Earphone Output	 EAR PHONE	Connect to earphones or external speakers with built-in amplifier.
Component Inputs (audio)		Connect to an external device, such as a VCR, STB, or a DVD player.
Component Inputs (Video)		Connect to an external device, such as a VCR, STB, or a DVD player.
PC Audio Input	 PC LINE IN	Connect to a PC's line/ audio out port.
SCART1 IN/OUT	 SCART 1 IN / OUT	Connect to an external device, such as a VCR, STB, or a DVD player with AV, S-Video, RGB, L/R IN, Analog TV Out, and L/R Out.
SCART 2 IN	 SCART 2 IN	Connect to an external device, such as a VCR, STB, or a DVD player.
VGA (PC) Input	 VGA	Connect to a PC's VGA port.
Service	 SERVICE	Service only. Not available for users.

Description	Connector	Function
HDMI 1 Input	 HDMI 1	Connect a HDMI equipment or an HDMI-DVI adapter cable to devices such as a DVD player or set-top box.
HDMI 2 Input	 HDMI 2	Connect a HDMI equipment or an HDMI-DVI adapter cable to devices such as a DVD player or set-top box.
Power Connector	 AC IN	Connect to the included power cord.

1.6 Remote Control

Description	Icon	Function												
Power		Press to turn the TV on or off.												
Input Signal Type	INPUT	Press to select the input signal type selections: TV, Component, SCART 1, SCART 2, VGA, HDMI 1, or HDMI 2.												
Keypad	<table border="0"> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td></td><td>0</td><td></td></tr> </table>	1	2	3	4	5	6	7	8	9		0		Use to select a program directly. Press 0-9 to enter the program numbers (press 1 and 0 for program 10).
1	2	3												
4	5	6												
7	8	9												
	0													
Pro.List	Pro.LIST	Press to display the features contained.												
Last		Press to return to the last channel selected.												
Information	INFO	Press to display current channel/ program information.												
Menu	MENU	Press to turn the on-screen display (OSD) menu on/ off; confirm the setting.												

Description	Icon	Function
OK	OK	Press to confirm selection.
Arrows	^ v < >	Press up, down, left or right to scroll through the on-screen display menus.
Electronic Program Guide	EPG	Press to display detailed programming information for channels.
Teletext mode	TEXT	Press to active teletext.
Volume adjust	VOL+ / VOL-	Press VOL + to increase audio volume. Press VOL - to decrease audio volume.
Mute	MUTE 	Press to eliminate sound. Press it again or press the volume adjust buttons to restore sound.
Dual sound	I-II 	Press to change the multi sound selection of the TV channel.
Select program	P▲ / P▼	Press P▲ to increase the program number. Press P▼ to decrease the program number.
Index	INDEX	Press to display a table of the available teletext subjects. (Programmable in the teletext mode only)
Mix	MIX	Press to display the teletext over the program on the screen. (Programmable in the teletext mode only)
Subpage	SUBPAGE	Press to go to the sub page. (Programmable in the teletext mode only)
Adjust size	SIZE	Press to adjust screen size. (Programmable in the teletext mode only)

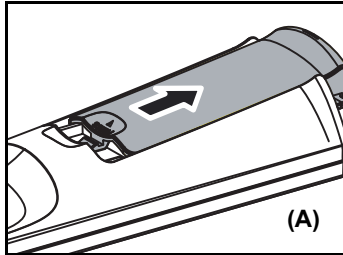
Description	Icon	Function
Hold	HOLD	Press to inactivate automatic page change which only occurs when more than one teletext page exists. (Programmable in the teletext mode only)
Reveal	REVEAL	Press to display the hidden information, such as solutions to puzzles. (Programmable in the teletext mode only)
Subtitle	SUB.TITLE	Press to display the subtitles while playing movies.
Favorite channel	FAV.	Press to select favorite channels.
Freeze	FREEZE	Press to pause a video frame on-screen. (Programmable in the TV source only)
Aspect ratio	ASPECT	Press to adjust the width-to-height ratio of the image with aspect ratio: Auto, Full, Normal, Panorama, Zoom, Subtitle.
Picture mode	PIC	Press to select Standard/ Movie/ Sport/ Concert/ Game/ User.
Sleep timer	SLEEP	Press repeatedly to set the sleep timer (15, 30, 45, 60, 90 or 120 minutes). Cancel the timer by selecting the Sleep Off option.

Note:

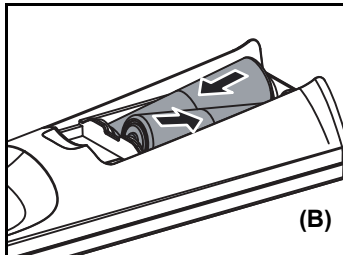
- For best results, use the remote control within a proper distance from the front of the TV. Do not exceed an angle of 30 degrees when pointing at TV.
- The operational distance may be shortened when the signal sensor is directly exposed to strong light.
- Aim the transmitter on the remote control at the signal sensor and ensure that there are no obstacles between them.

1.6.1 Inserting the Remote Control Batteries

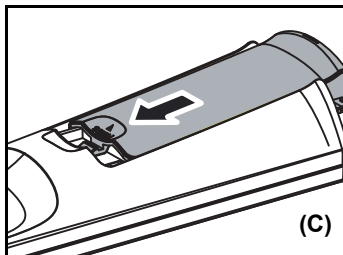
- 1 Open the battery compartment cover at the back of the remote control (A).



- 2 Insert the batteries paying attention to the polarity markings inside the battery compartment (B).



- 3 Replace the battery compartment cover (C).





CAUTION

- If the remote control is not used for a long period, remove the batteries and store them properly.
- Handle damaged or leaking batteries carefully, and wash hands with soap if they come in contact with leaked chemical fluids.
- If your remote control has two batteries, do not mix new and old batteries, or the life of the new batteries will be shortened. Chemical fluids may leak from the old batteries.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.
- Refer to your local recycling or waste disposal rules and contact a local waste disposal vendor to dispose of used batteries.
- The remote control cover may have a magnet in it, so do not place magnetic sensitive items such as watches, credit cards, or flash media close to the cover.
- Do not use force when pulling the remote control cover open; you may damage the hinge.

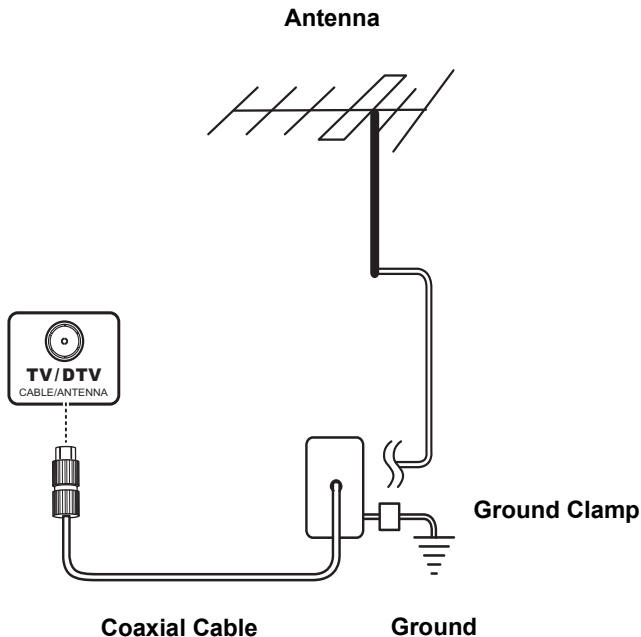
2.1 Basic Connections

2.1.1 Power Connection

- 1 Connect the power cord to the AC IN input jack on the rear of the TV.
- 2 Insert the plug at the other end of the power cord into a power outlet.

2.1.2 Connecting an Antenna or Cable TV

Connect one end of the VHF/UHF (Antenna) or CATV cable to TV/DTV jack on the rear of the TV.

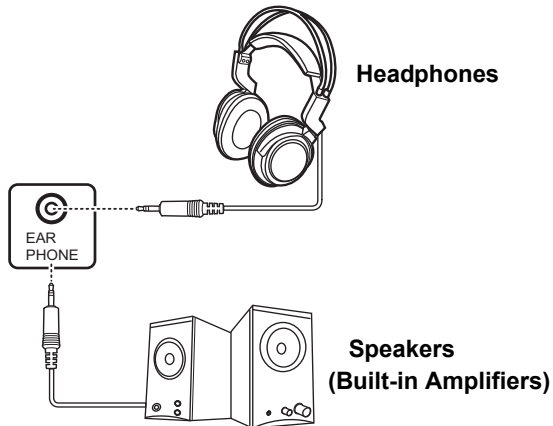
**Note:**

- Images are for illustration only and may vary by model or region.
- If you cannot receive channels after connecting to an antenna or cable TV line, try scanning for channels.

2.2 Connecting External Devices

Connect external devices such as VCRs, STBs, DVD players, video game consoles, earphones, or a PC to the TV using the appropriate ports on the rear of the TV.

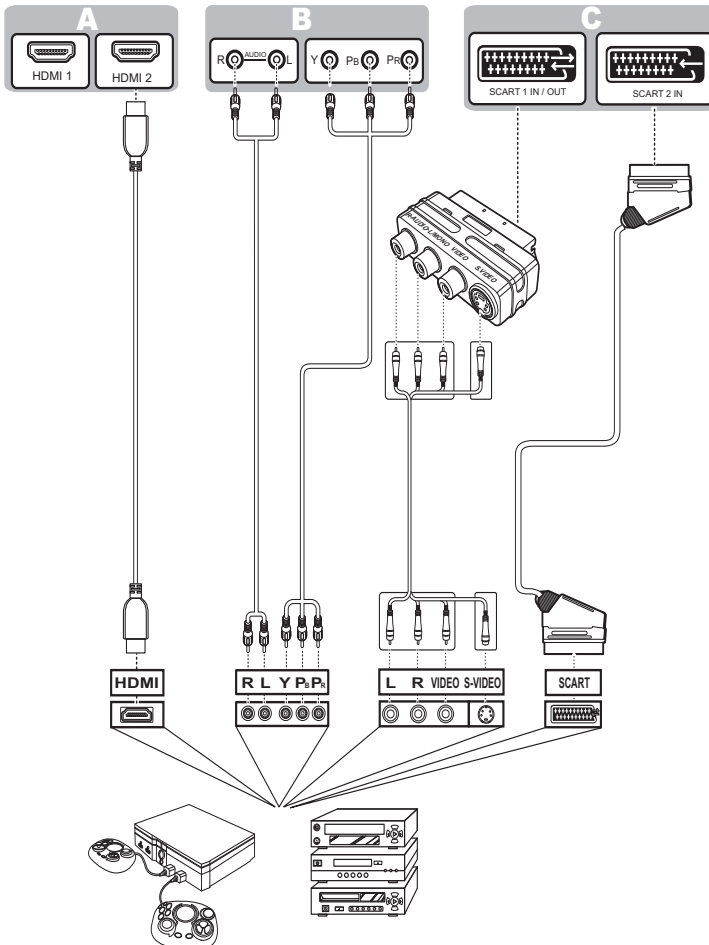
2.2.1 Connecting External Earphones

**Note:**

- External speakers or headphones are not included with the TV.
- The internal TV speakers will not output sound when headphones are plugged in.
- Use external speakers with built-in amplifiers only.
- Only one external device for sound can be connected at a time.

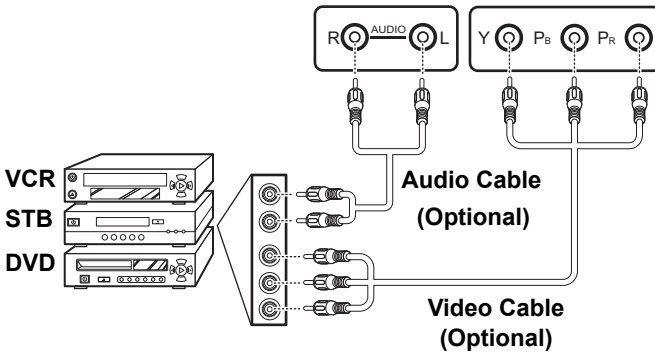
2.2.2 Connecting to AV Devices

The following diagram illustrates how to connect the AV devices to your TV via HDMI (A), Component (B), and SCART (C) ports.



2.2.3 Connecting a VCR/ STB/ DVD Player Using Component Video

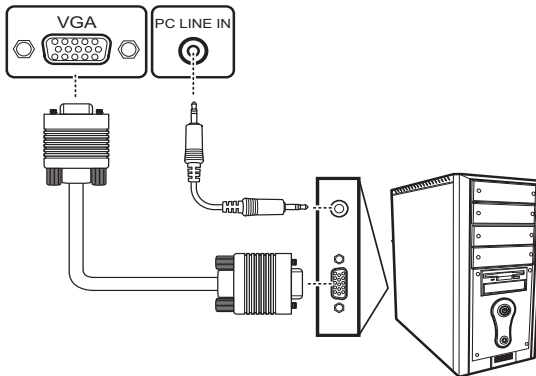
Connect the TV to a VCR/ STB/ DVD player using the component video inputs.



2.2.4 Connecting a PC using VGA

Connect the TV to your PC to use it as the monitor using the VGA port as shown.

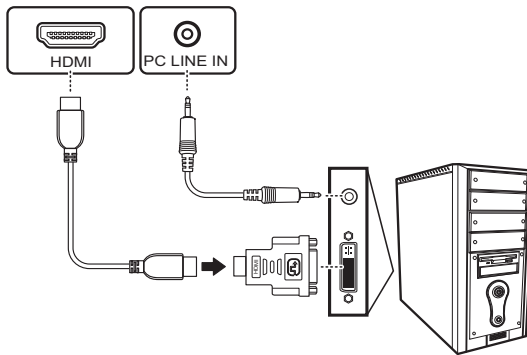
- 1 Connect the VGA port of the TV to the VGA output of the PC.
- 2 Connect the line out port of the PC to the PC LINE IN port of your TV to listen to audio from the PC.



2.2.5 Connecting a PC using DVI

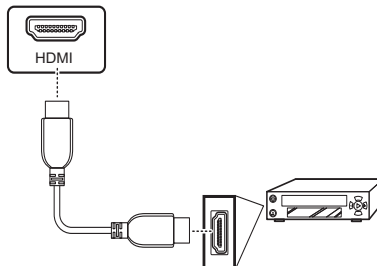
Connect the TV to your PC to use it as the monitor using the DVI port as shown.

- 1 Connect the HDMI port of the TV to the DVI output of the PC.
- 2 Connect the line out port of the PC to the PC LINE IN port of your TV to listen to audio from the PC.



2.2.6 Connecting HDMI

HDMI (High Definition Multimedia Interface) assures that the best video signal is always sent from source to the TV. Refer to the following illustration to connect an HDMI device to the TV.

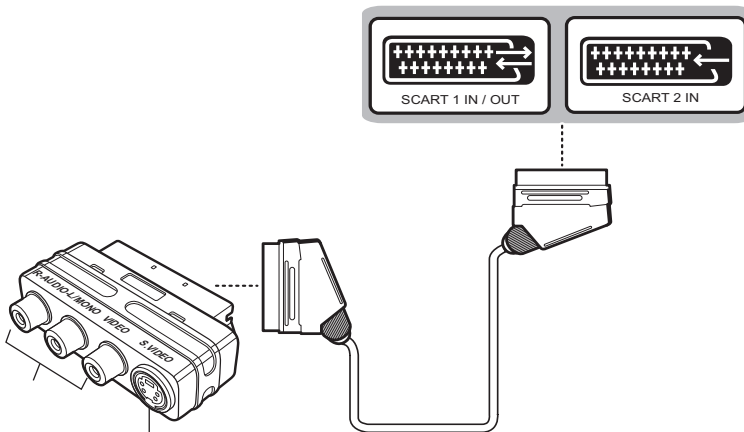


Note:

When the HDMI cable is connected, connecting the audio cable is not necessary. However, it is necessary to do so if a HDMI to DVI cable is connected.

2.2.7 Connecting a VCR/ STB/ DVD Player using SCART



Connect the SCART (optional) to connect a TV, VCR, VCD, DVD player or video game console. You can choose to use a SCART cable or adapter for the connection depending on the ports available on your player.

**Note:**

- The S-Video connector and AV connectors cannot be connected at the same time, or the wrong signals might be generated.
- The cables are color-coded (black, red, white, and yellow). Connect each color-coded cable to the appropriate connector on your device.

2.3 Using the TV

2.3.1 Turning the TV On and Off

- 1 Press  on the control panel or remote control. The power LED indicator on the TV changes from amber to blue, indicating that the TV is on.
- 2 Press  again. The power LED changes from blue to amber, indicating that the TV is off.

2.3.2 Switching Source Signals

Press **INPUT** on the control panel or remote control to select the incoming source signal to set TV source for channel search.

2.3.3 Performing an Automatic Channel Search

Before using the TV to view programs, you need to activate the channel search first.

- 1 Press **MENU** on the control panel or remote control, then select to enter the Channel menu.
- 2 Select Auto scan, then Start option.
- 3 Press **OK** on the remote control to run the channel search.

2.3.4 Selecting Channels

- Press **P▲** on the remote control or control panel to increase the channel number.
- Press **P▼** on the remote control or control panel to decrease the channel number.
- Enter the specific channel number by pressing the number buttons on the remote control.

2.3.5 Adjusting the Volume

- 1 Press **VOL+** on the control panel or remote control to increase the volume.
- 2 Press **VOL-** on the control panel or remote panel to decrease the volume.
- 3 Press **MUTE** to eliminate sounds, and press **MUTE** again or press the volume buttons to restore the original volume.

3

Adjusting On-Screen Display (OSD) Settings

The On-Screen Display (OSD) menu system provides a quick and simple method to adjust the TV settings. The OSD menu can be accessed conveniently through the buttons on the remote control.

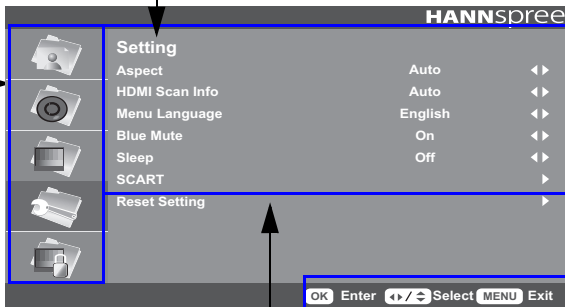
Before going into details of each OSD option, you may get acquainted with the placement of the OSD system::

CURRENT MENU:

Displays the title of the currently selected menu.

MAIN MENU:

Displays a list of menu items. The selected item is highlighted by a dark blue color than other menu items.



ADJUSTABLE Options:

Displays the setting/value of the adjustable options.

INSTRUCTIONS:

Quick instructions for adjusting the settings.

Function	TV Control Panel	Remote Control
OSD Menu	MENU	MENU
Up	P▲	Arrow ^
Down	P▼	Arrow v
Select/ Increase	VOL +	Arrow >
Select/ Decrease	VOL -	Arrow <
Exit	MENU	MENU

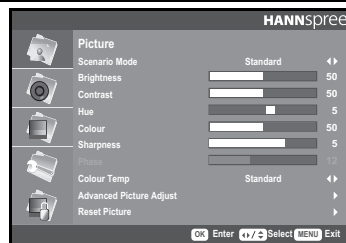
3.1 OSD Setting Menus

Follow the instructions indicated on the down side of the OSD Function Menu. Press **P▲/▼** on the control panel or **^ / v** arrow keys to scroll through the menus, **VOL +** on the control panel or the **>** arrow key to select an item, or **MENU** to exit the OSD menu.

The following menus can be set by different adjustment methods.

3.2 Adjusting Picture Settings

- 1 Press **MENU** to enter the OSD Main Menu screen. The **Picture** menu is then displayed.
- 2 Press **>** to enter the **Picture** menu.
- 3 Press **^ / v** to select an item.
- 4 Press **< / >** to adjust the scales or options settings.



- 5 Press **OK** to confirm the setting. Press **MENU** to return to the **Picture** menu.
- 6 Press **MENU** to exit the OSD menu.
- 7 The **Picture** menu can be used to adjust the **Scenario Mode, Brightness, Contrast, Hue, Colour, Sharpness, Phase, Colour Temp, Advanced Picture Adjust, and Reset Picture** settings.
 - The **Scenario Mode** can be set to **Standard, Movie, Sport, Concert, Game, or User.**
 - The **Colour Temp** can be set to **Standard, Warm, or Cold.**
 - The **Advanced Picture Adjust** can be set to **Noise Reduction, CTI, Backlight control, ACM and DCG.**
 - **Noise Reduction** reduces vidual noise without reducing details. Select from **Off, Low, Medium or High.**
 - **CTI (Colour Transition Improvement)** smoothes out the edges of color images so that colors can be more precisely reproduced. Select from **Off, Low, Medium or High.**
 - **Backlight control** helps to manually turn down the backlight in dark scenes, generating a deeper black color. Press **< / >** to adjust the scales from 0-100.

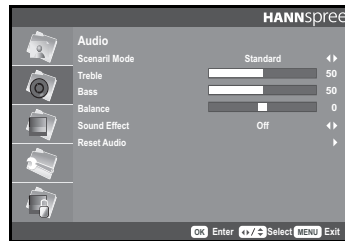
- **ACM (Adaptive Contrast Management)** delivers high contrast ratio and optimum brightness to produce the best possible picture. It enhances the panel contrast by making bright areas brighter and dark areas darker.
- **DCG** balances the screen contrast. When the backlight is dark, the image turns bright. When the backlight is light, the image turns dark.

Note:

The options available on the OSD may vary depending on the input signal source.

3.3 Adjusting Sound Settings

- 1 Press **MENU** to enter the OSD Main Menu screen.
- 2 Press **✓** to select the **Audio** menu.
- 3 Press **>** to enter the **Audio** menu.
- 4 Press **^** / **✓** to select an item.
- 5 Press **<** / **>** adjust the scales or options settings.



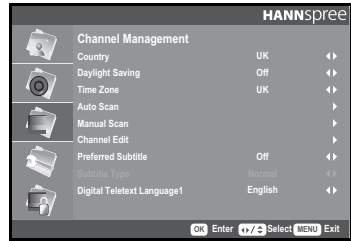
- 6 Press **OK** to confirm the setting. Press **MENU** to return to the **Audio** menu.
- 7 Press **MENU** to exit the OSD menu the OSD menu.
- 8 The **Audio** menu can be used to adjust the **Scenario Mode**, **Treble**, **Bass**, **Balance**, **Sound Effect**, and **Reset Audio** settings.
 - The Scenario Mode can be set to **Standard**, **Movie**, **Sport**, **Concert**, **Game**, or **User**.

Note:

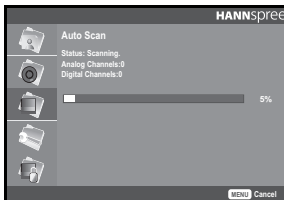
The options available on the OSD may vary depending on the input signal source.

3.4 Adjusting Channel Settings

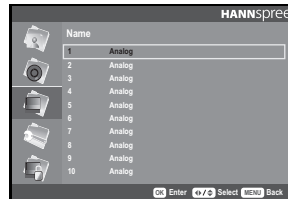
- 1 Press **MENU** to enter the OSD Main Menu screen.
- 2 Press **∨** to select the **Channel Management** menu.
- 3 Press **∨** to enter the **Channel Management** menu.
- 4 Press **∧ / ∨** to select an item.
- 5 Press **∠ / ∠** adjust the scales or options settings.



- 6 Press **OK** to confirm the setting. Press **MENU** to return to the **Channel** menu.
- 7 Press **MENU** to exit the OSD menu.
- 8 The **Channel Management** menu can be used to perform a channel search and to adjust the **Country**, **Daylight Saving**, **Time Zone**, **Auto Scan**, **Manual Scan**, **Channel Edit**, **Preferred Audio**, **Preferred Subtitle**, **Subtitle Type**, and **Digital Teletext Language** settings.
 - The Country can be set to **UK, France, Germany, Italy, Spain, Switzerland, Denmark, Belgium, Netherlands, Luxembourg, Czech Rep., United Arab Emirates, Saudi Arabia, Portugal**, and **Other**.
 - The Daylight saving can be set to **On/Off**.
 - The Time Zone will display the location of the Time Zone option.
 - Select Auto Scan to activate the automatic TV channel search. Select Manual Scan to search the TV channels manually.



- 9 Press **>** to enter the **Channel Edit** menu, the Channel Editor allows you to edit the detailed items, including **Name**, **Skip**, and **Reorder** for each channel.



- To change the channel name, select **Name**, and input the channel name you prefer using the numeric buttons 0~9 on the remote control. Refer to the following list for the displayed letter for each corresponding press of the numeric buttons. Press **OK**.

1 1	6 6, M, N, O, m, n, o
2 2, A, B, C, a, b, c	7 7, P, Q, R, p, q, r
3 3, D, E, F, d, e, f	8 8, T, U, V, t, u, v
4 4, G, H, I, g, h, i	9 9, W, X, Y, Z, w, x, y, z
5 5, J, K, L, j, k, l	0 0, Space

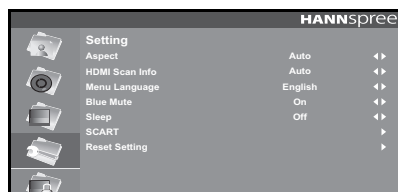
- The Preferred Subtitle can be set to **English, French, German, Italian, Spanish, Portuguese, Dutch, Polish** and **Off**.
- The Subtitle Type can be set to **Normal** and **Hearing Impaired**.
- The Digital Teletext Language can be set to **English, French, German, Italian, Spanish, Portuguese, Dutch** and **Polish**.

Notes:

- The Channel Settings are only available in TV mode.
- If the country you are in are not listed in Country option, set the default value to Other.

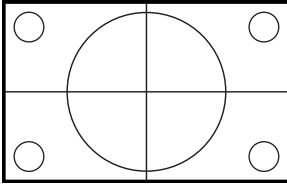
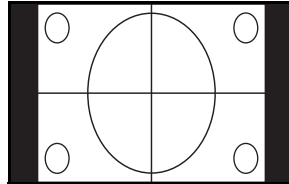
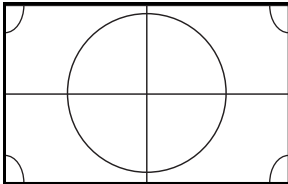
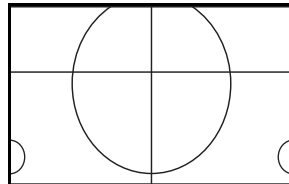
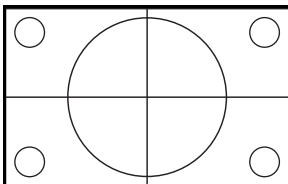
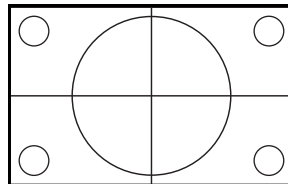
3.5 Adjusting TV Settings

- Press **MENU** to enter the OSD Main Menu screen.
- Press **✓** to select the **Setting** menu entry.
- Press **>** to enter the **Setting** submenu.
- Press **^ / ✓** to select an item.
- Press **< / >** to change the scales or options settings.



- 6 Press **OK** to confirm the changed setting. Press **MENU** to return to the **Setting** menu entry.
- 7 Press **MENU** to exit the OSD menu.
- 8 The **Setting** menu can be used to adjust the **Aspect**, **HDMI Scan Info**, **Menu Language**, **Blue Mute**, **Sleep**, **SCART** and **Reset Setting**.
 - The available Aspect selections include **Auto**, **Full**, **Normal**, **Panorama**, **Zoom** and **Subtitle**.
 - The available selections in HDMI Scan Info are **Auto**, **Overscan**, **Underscan**.
 - The available Menu Language selections are **English**, **French**, **German**, **Italian**, **Spanish**, **Portuguese**, **Dutch** and **Polish**.
 - The Blue Mute can be set to **On** or **Off**.
 - The Sleep can be set to **Off**, **15**, **30**, **45**, **60**, **90** or **120** minutes.
- 9 The SCART mode selections include **SCART1** , **SCART2**. **SCART1**: Auto, Mixed, RGB, CVBS, S-Video. **SCART2**: CVBS, S-Video, Auto, Mixed. The SCART1 can be set to **AUTO**, **Mixed**, **RGB**, **CVBS** or **S-VIDEO**. The SCART2 can only be set to **CVBS**, **S-Video**, **Auto**, or **Mixed**.
- 10 Select Reset Setting to reset settings to the defaults.

- 11** Under the 16:9 input signal, the **Aspect** modes include HDMI, SCART Component, and TV modes for **Video** mode selection. The **TV** mode selection includes Full, Normal, Zoom, Subtitle, Panorama and Auto. Please see the pictures below for details.

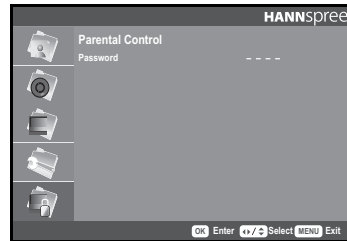
**Full****Normal****Zoom****Subtitle****Panorama****Auto****Note:**

The options available on the OSD may vary depending on the input signal source.

3.6 Parental Control

Parental Control allows you to block channels, programs not appropriate to certain ages, or input devices with a password you setup.

- 1 Press **MENU** to enter the OSD Main Menu screen.
- 2 Press **↓** to select the **Parental Control** menu entry.
- 3 Press **OK** to enter the **Parental Control** menu.
- 4 Press **↑** / **↓** to select **Channel Block**, **Age Rating**, **Input Block**, or **Change Password**.
- 5 Press **←** / **→** to adjust the scales or options settings.

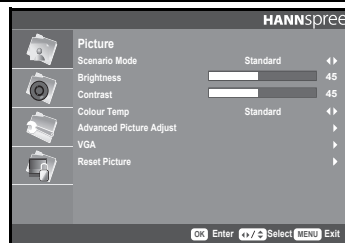


Note:

The original password is set to 0000 by default.

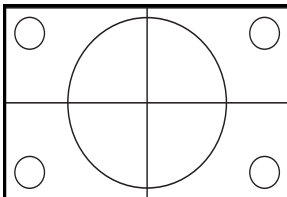
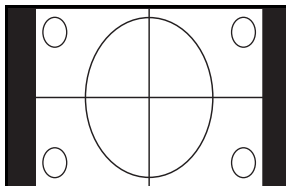
3.7 Adjusting PC Setup Settings

- 1 Connect the LCD TV set to your computer.
- 2 Press **INPUT** on the control panel or remote control to switch to **VGA** mode.
- 3 Press **MENU** on the control panel or remote control to enter PC setup menu.
- 4 Press **→** to enter the **Picture** menu.
- 5 Press **↑** / **↓** to select an item.
- 6 Press **←** / **→** to adjust the scales or options settings.
- 7 The PC Setup menu can be used to adjust the **Picture**, **Audio**, **Setting**, and **Parental Control** settings.
 - The **Picture** submenu can be used to adjust the **Scenario Mode**, **Brightness**, **Contrast**, **Colour Temp**, **Advanced Picture Adjust**, **VGA** and **Reset Picture** settings.
 - The **Scenario Mode** can be set to **Standard**, **Movie**, **Sport**, **Concert**, **Game**, or **User**.



- The **Colour Temp** can be set to **Standard, Warm, or Cold**.
- The **Advanced Picture Adjust** can be set to **Noise Reduction, CTI, Backlight control, ACM or DCG**.
 - **Noise Reduction** reduces visual noise without reducing details. Select from **Off, Low, Medium or High**.
 - **CTI (Colour Transition Improvement)** smoothes out the edges of color images so that colors can be more precisely reproduced. Select from **Off, Low, Medium or High**.
 - **Backlight control** helps to manually turn down the backlight in dark scenes, generating a deeper black color. Press **< / >** to adjust the scales from 0-100.
 - **ACM (Adaptive Contrast Management)** delivers high contrast ratio and optimum brightness to produce the best possible picture. It enhances the panel contrast by making bright areas brighter and dark areas darker.
 - **DCG** balances the screen contrast. When the backlight is dark, the image turns bright. When the backlight is light, the image turns dark.
 - **VGA** can be used to adjust the **H Position, V Position, Phase, Clock and Auto Adjust** setting.
 - **Reset setting** resets settings to the defaults.
- The **Audio** menu can be used to adjust the **Scenario Mode, Treble, Bass, Balance, Sound Effect, and Reset Audio** settings.
 - The Scenario Mode can be set to **Standard, Movie, Sport, Concert, Game, or User**.
- The **Setting** menu can be used to adjust the **Aspect, Menu Language, DPMS, Blue Mute, Sleep, SCART and Reset Setting**.
 - The available Aspect selections include **Full and Normal**.
 - The available Menu Language are **English, French, German, Italian, Spanish, Portuguese, Dutch and Polish**.
 - The Blue Mute can be set to **On or Off**.
 - The Sleep can be set to **Off, 15, 30, 45, 60, 90 or 120** minutes.
 - The SCART mode selections include **SCART1, SCART2. SCART1**: Auto, Mixed, RGB, CVBS, S-Video. **SCART2**: CVBS, S-Video, Auto, Mixed. The SCART1 can be set to **AUTO, Mixed, RGB, CVBS or S-VIDEO**. The SCART2 can only be set to **CVBS, S-Video, Auto, or Mixed**.
 - Select Reset Setting to reset settings to the defaults.

- The **Aspect** modes include HDMI, SCART Component, and TV modes for **Video** mode selection. The **PC** mode selection includes Full and Normal. Please see the pictures below for details.


**Full****Normal**

- The **Parental Control** requires you to input the set password before you can watch a password-protected program. The original password is set to **0000** by default.

- 8** Press **OK** to confirm the setting. Press **MENU** to return to the PC Setup menu.
- 9** Press **MENU** to exit the OSD menu.

Note:

The **PC Setup** settings are only available in **VGA** mode.

Situation	Solution
No picture and sound.	<ul style="list-style-type: none"> • Connect the power cord properly. • Check if the power LED is on or not. • Press  on the control panel or remote control. • Press Input to cycle through connected video sources. • Press P▲ or P▼ to switch to other TV programs. • Make sure all cables are connected properly.
No picture, or poor picture, sound is OK.	<ul style="list-style-type: none"> • Check the antenna and cable connections. • Adjust the brightness in the Picture OSD menu.
Picture is not in color.	<ul style="list-style-type: none"> • Adjust the colour option in the Picture OSD menu.
Picture is OK, no sound.	<ul style="list-style-type: none"> • Make sure the source device is functioning properly. • Make sure the audio cable is connected securely. • Turn the mute off. • Press VOL + on the control panel or remote control.
One of the speakers has no sound.	<ul style="list-style-type: none"> • Adjust the balance in the Audio OSD menu.
Cannot receive some TV channels using cable TV.	<ul style="list-style-type: none"> • Try the Auto Scan function in the Channel Management OSD menu.
Want to reset TV settings.	<ul style="list-style-type: none"> • Use the Reset Setting function in the Setting OSD menu.
Cannot operate menus.	<ul style="list-style-type: none"> • If OSD items are colored in gray, the system is in a state such that those settings are not available.
Screen image turns over.	<ul style="list-style-type: none"> • Make sure the video signal cable is connected properly.
Snow appears on the screen.	<ul style="list-style-type: none"> • Adjust the location of the antenna, placing it far from roads or sources of interference. • Check the antenna and the video signal line connections.
Blurred or overlapped images.	<ul style="list-style-type: none"> • Adjust the sharpness setting. • Choose programs with high quality signals. • Adjust the direction of the antenna or replace the video signal cable.
Remote control doesn't work.	<ul style="list-style-type: none"> • Make sure the battery is inserted correctly. • Replace the battery with a new one. • Make sure the TV power cord is plugged in. • Make sure the path between the remote control and the sensor is clear. • Try operating the remote control at a closer distance to the TV.

Model No.:	T281H	
	Item	Specification
Display panel	Panel Size	28 inch TFT LCD
	Screen Format	16:10
	Resolution	1920 (H) x 1200 (V)
	TV System	ATV: PAL, SECAM DTV: DVB-T (w/o CI)
OSD Languages	English, French, German, Italian, Spanish, Portuguese, Dutch and Polish	
Audio System	SCART1 IN / OUT	R/L IN, R/L OUT
	SCART2 IN	R/L IN
	HDMI	HDMI1, HDMI2
	PC LINE In	AUDIO IN jack (Green)
	Audio Out	Earphone jack (Pink)
	Built-in Speaker	5W x 2
Video System	SCART1 IN/OUT	RGB, AV, S-VIDEO
	SCART2 IN	AV, S-VIDEO
	HDMI	HDMI 1, HDMI 2
	Component	YPbPr
	PC	VGA
Power	Power Consumption	Normal operation: 110W (Typical) Standby mode: < 1W
	Input Voltage	AC Input: 100V~240V / 50Hz ~ 60Hz
Environment	Operating Temp.	0 °C ~ 40 °C
	Ambient	40 °C
Physical	Weight	10 Kg Max.

PC Support Timing

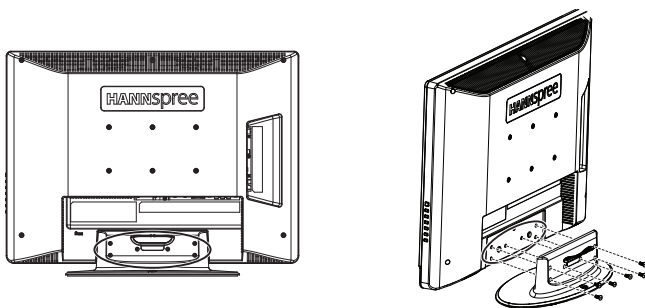
Mode	Resolution (active dot)	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Frequency (MHz)
VGA	640x480@60Hz	31.5	59.9	25.2
SVGA	800x600@60Hz	37.8	60.3	40.0
XGA	1024x768@60Hz	48.4	60.0	65.0
SXGA	1280x1024@60Hz	64.0	60.0	108.0
WXGA+	1440x900@60Hz	55.9	59.9	106.5
WSXGA+	1680x1050@60Hz	65.3	60.0	146.3
UXGA	1600x1200@60Hz	75.0	60.0	162.0
WUXGA	1920x1200@60Hz	74.1	60.0	154.0

HDMI Support Timing

Input Video Resolution: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p

Disassembling the stand base

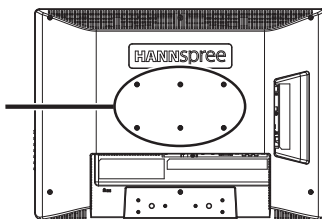
- 1 Disconnect all the cables and cords from the TV to prevent breakage.
- 2 Carefully place the TV face down on a soft and flat surface (blanket, foam, cloth, etc) to prevent any damage to the TV.
- 3 Squeeze the sides to release the retaining plastic tabs and pull the stand cover off.
- 4 Remove the six (6) screws so that the stand base can be removed.
- 5 Gently remove the stand base.



(For reference only)

Wall mounting the TV:

- 1 Purchase a VESA compatible wall bracket: VESA 100 X 200, 6 holes, M4, 8mm, 20 kg.
- 2 Locate your ideal TV position on the wall.
- 3 Fix the wall bracket firmly on the wall.
- 4 Secure the TV to the bracket using the 6 mount holes on the back and center of the TV.



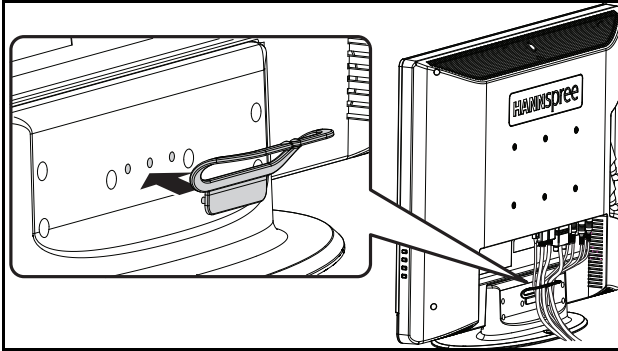
Note:

- Please read the instructions of your specific wall bracket to properly wall mount the TV.
- The pitch of the mounting holes is 100mm horizontally and 100mm vertically.
- The screws type required is metric: M4, 8 mm length.
- The 28" TV stand base can be screwed on a table or a hard surface using the hole on the back of the stand base.

**Installing the LCD TV requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. Hannspree bears no responsibility for improper mounting or mounting that results in accident or injury. You can ask a qualified service personnel about using an optional bracket to mount the TV to the wall.*

Using the Cable Organizer

Route the cables through the cable clamp as shown:



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