ATTACHMENT E -3.

- USER'S MANUAL -

Function Setup

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How to Select the Aspect Ratio

- Users can adjust Aspect Ratio as users want.
- This function is available only with the remote control.

ASPECT

Press the ASPECT button, then Aspect Ratio changes in order below.

15:9 → 4:3 → Zoom 1~5 → Panorama → 16:9 → (HQL260WR)
16:9 → 4:3 → Zoom 1~5 → Panorama → (HQL320WR)

16:9

General broadcast picture is adjusted to 16:9.

▲ *HQL260WR*

▲ *HQL320WR*

16:9

General broadcast picture is adjusted to 16:9.

15:9

The full screen of the image adjusted to 15:9.

▲ *HQL260WR*

Panorama

Picture size for panorama video.

4:3

General picture size.

Zoom1~5

Zoom in 4:3 in horizontal and vertical direction.
(This mode is recommended in letter box format.)

ASPECT

- In case the PIP mode

When you are viewing the main and PIP images at the same time :
The PIP image will change only from 4:3 to 16:9.

4:3

16:9

FUNCTION SETUP

TIP

OSD menu displays the current aspect ratio.
If you press the ASPECT button second time, aspect ratio will be changed according to Input mode as follows :

HQL260WR -

- **Under DTV or DVD inputs** : Users can select ⇨15:9 ⇨4:3 ⇨Zoom1~5 ⇨16:9 ⇨in order.
- **Under PC inputs** : Users can select ⇨15:9 ⇨4:3 ⇨in order.
- **Under other inputs** : Users can select ⇨15:9 ⇨4:3 ⇨Zoom 1~5 ⇨Panorama ⇨16:9 ⇨in order.

HQL320WR -

- **Under DTV or DVD inputs** : Users can select ⇨16:9 ⇨4:3 ⇨Zoom1~5 ⇨in order.
- **Under PC inputs** : Users can select ⇨16:9 ⇨4:3 ⇨in order.
- **Under other inputs** : Users can select ⇨16:9 ⇨4:3 ⇨Zoom 1~5 ⇨Panorama ⇨in order.

How to Freeze Picture

The user can temporarily stop the playing picture.

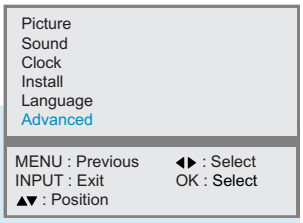
Press Still button.
Playing picture is stopped.
** In PIP mode, the main picture stops.*

To deselect Still function.
Press Still button once more.

How to view Closed Captions

This is to displays the closed captions that are broadcasted with certain TV shows.

Press Menu button.
Menu items appear on the screen.

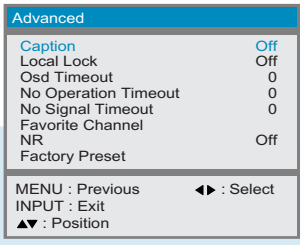


1

Press Up and Down buttons to move to "Advanced".

2

Press Left, Right or OK buttons to select "Advanced".



3

Press Up and Down buttons to move to "Caption".

4

Press Left and Right buttons, then the menu changes in order below.
Off CC1~4 Text1~4

Press **MENU** button after the setting is done, and Menu goes to the **previous menu.**
If the **INPUT** button is pressed, the **menu disappears**

FUNCTION SETUP

How To Directly Select Closed Caption : Press

button.

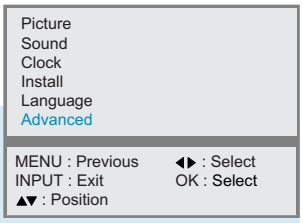
The selection will switch whenever you press this button on the remote control.

Different Channels display different information.

How to Set Key-Lock

This is to lock the control buttons on the front top of LCD TV.

Press Menu button.
Menu items appear on the screen.

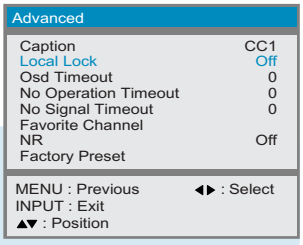


1

Press Up and Down buttons to move to "Advanced".

2

Press Left, Right or OK button to select "Advanced".



3

Press Up and Down buttons to move to "Local Lock".

4

Press Left and Right buttons, then the menu changes in order below.
Off → Once → Always →

INPUT

Press **MENU** button after the setting is done, and Menu goes to the **previous menu.**
If the **INPUT** button is pressed, the **menu disappears.**

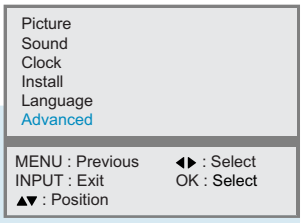
OFF : With the lock function off, you can control the TV with both the remote control and the buttons on the TV.
ONCE : The lock function will turn off automatically after you turn the TV on/off once with the remote control.
ALWAYS : With the lock function always on, you can control the TV only with the remote control, not with the buttons on the TV.

TIP

- This function prevents children from controlling the TV when parents are not home.
- It is available after setting this function with the remote control.
* How to Unlock Local-Lock : Press "-" and "Power" buttons simultaneously(Buttons on the front top of TV).

How to Set OSD(On-Screen-Display) Display Time

Press Menu button.
Menu items appear on the screen.

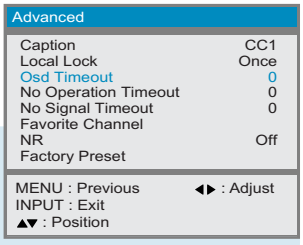


1

Press Up and Down buttons to move to "Advanced".

2

Press Left, Right or OK button to select "Advanced".



3

Press Up and Down buttons to move to "Osd Timeout".

4

Press Left and Right buttons to adjust the OSD display time.
Whenever you press this button, you can adjust it in 5-second increments from 0 to 60 seconds.

INPUT

Press **MENU** button after the setting is done, and Menu goes to the **previous menu.**
If the **INPUT** button is pressed, the **menu disappears.**

FUNCTION SETUP

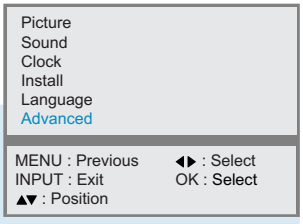
TIP

- If you do not press the MENU button after adjusting the OSD timeout, the menu screen will disappear automatically after the set time.
- If you set 0, menu screen will not disappear automatically.

How to Set No Key Operation Auto Power Off

Automatically turns the power off if there is no button pressed for a period of time after AUTO Wake-Up turns the power on.

Press Menu button.
Menu items appear on the screen.

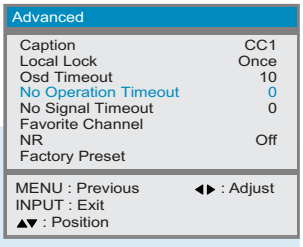


1

Press Up and Down buttons to move to "Advanced".

2

Press Left, Right or OK button to select "Advanced".



3

Press Up and Down buttons to move to "No operation Timeout".

4

Press Left and Right buttons to adjust the auto power off time.
You can adjust it in 30-minute increments from 0 to 180 minutes.

INPUT

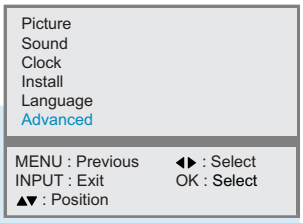
Press **MENU** button after the setting is done, and Menu goes to the **previous menu.**
If the **INPUT** button is pressed, the **menu disappears.**

TIP If you set the time to 0, the TV will not use the auto power off function.

How to Set No Signal Timeout

- Automatically turns the power off if there is no broadcast signal for the set time.
- This Function is available only to TV mode.

Press Menu button.
Menu items appear on the screen.

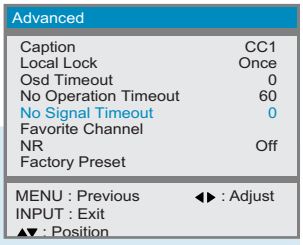


1

Press Up and Down buttons to move to "Advanced".

2

Press Left, Right or OK button to select "Advanced".



3

Press Up and Down buttons to move to "No Signal Timeout".

4

Press Left and Right buttons to adjust the auto power off time.
You can adjust it in 1-minute increments from 0 to 20 minutes.

INPUT

Press **MENU** button after the setting is done, and Menu goes to the **previous menu.**
If the **INPUT** button is pressed, the **menu disappears.**

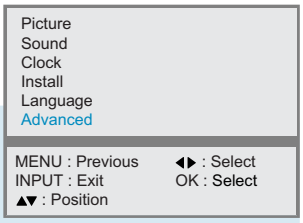
FUNCTION SETUP

TIP If you set the time to 0, the TV will not use the auto power off function.

How to Set Your Favorite Channels

This function allows you to store TV channels or input sources you use frequently.

Press Menu button.
Menu items appear on the screen.

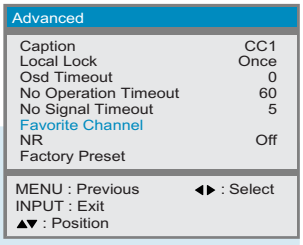


1

Press Up and Down buttons to move to "Advanced".

2

Press Left, Right or OK button to select "Advanced".

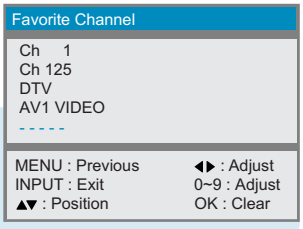


3

Press Up and Down buttons to move to "Favorite Channel".

4

Press Left and Right buttons to select "Favorite Channel".
Favorite Channel menu appear.



5

Press Left and Right buttons to set favorite channel or input source.

The channel or input source are changed in order below.
⇨Ch 1~125(CATV), Ch 1~69(TV) ⇨AV1 VIDEO ⇨AV2 VIDEO ⇨AV3 VIDEO ⇨AV3 S-VHS ⇨DTV ⇨PC ⇨
You can directly set channel or input source by pressing numeric(0~9), PC, DTV and Video button.

INPUT

Press **MENU** button after the setting is done, and Menu goes to the **previous menu.**
If the **INPUT** button is pressed, the **menu disappears.**

How To Directly Select Favorite Channel : Press FAVORITE **button.**

The selection will switch whenever you press the Favorite button on the remote control.

- You can delete the selection by pressing the OK button
- You can set up to 5 in turn.

* While setting this function in CATV mode, if you switch CATV mode to Air TV mode, the previously selected channels will be skipped, if the channels exceed the range of Air TV channels (1~69 channels).

How to Set Noise Reduction and Use Factory Preset

Noise Reduction is to eliminate some noise on the screen and It is not applied to DTV and PC mode.

Press Menu button.
Menu items appear on the screen.

Picture
Sound
Clock
Install
Language
Advanced

MENU : Previous ◀▶ : Select
INPUT : Exit OK : Select
▲▼ : Position

1

Press Up and Down buttons to move to "Advanced".

2

Press Left, Right or OK button to select "Advanced".

Advanced

Caption	CC1
Local Lock	Once
Osd Timeout	0
No Operation Timeout	60
No Signal Timeout	5
Favorite Channel	
NR	Off
Factory Preset	

MENU : Previous ◀▶ : Select
INPUT : Exit
▲▼ : Position

3

Press Up and Down buttons to move to "NR".

4

Press Left and Right buttons to "On/Off".

Go to step 5
if you need to recall to the default.

Advanced

Caption	CC1
Local Lock	Once
Osd Timeout	0
No Operation Timeout	60
No Signal Timeout	5
Favorite Channel	
NR	Off
Factory Preset	

MENU : Previous ◀▶ : Select
INPUT : Exit
▲▼ : Position

5

Press Up and Down buttons to move to "Factory Preset".

6

Press the OK button.
Then, It will recall to the defult.
(Except for Favorite Channel and Clock)

Press **MENU** button after the setting is done, and Menu goes to the **previous menu.**
If the **INPUT** button is pressed, the **menu disappears.**

Displaying Information and Clock

- You can view the channel information and setting status by pressing the "INFO" button on the remote control.
- You can view the clock by pressing the "Clock" button on the remote control.

DISPLAY

In case of applying TV input
Press the INFO button.

CATV 8
PM 12:30
Mono
Sleep Off

DISPLAY

In case of applying DTV input
Press the INFO button.

DTV
PM 12:30
Mono
Sleep Off
1080i@60Hz

DISPLAY

In case of applying PC input
Press the INFO button.

PC
PM 12:30
Stereo
Sleep Off
1024x768@60Hz

DISPLAY

In case of applying PIP input
Press the INFO button.

CATV 8
PM 12:30
DTV
Mono
Sleep Off
1080i@60Hz

CLOCK

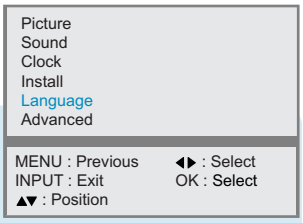
In case of viewing only clock information
Press the CLOCK button.

PM 12:30

Choosing Your Language

When you start using your TV for the first time, you must select your language preference in order to display main menus and sub menues, etc.

Press Menu button.
Menu items appear on the screen.



1

Press Up and Down buttons to move to "Language".

2

Press Left and Right buttons to select "Language".
Language menu appears.

3

Press Up and Down buttons to move to languge you want.
(English, Français, Deutch, Italian, Español)

4

Press Left, Right or OK button to select Language.
When it selects, the ">>" mark is indicated.

INPUT

Press **MENU** button after the setting is done, and Menu goes to the **previous menu.**
If the **INPUT** button is pressed, the **menu disappears.**

Clock Setup

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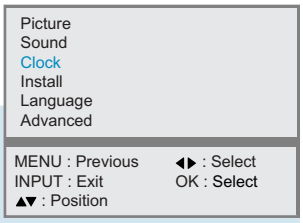
How to Set Date and Clock

You can set the current time so that it may be displayed by pressing the "INFO" button. You must also set a clock if you wish to use the automatic on or off timers.

Press Menu button.
Menu items appear on the screen.



1

Press Up and Down buttons to move to "Clock".

2

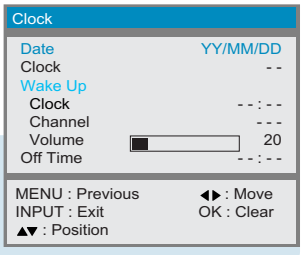
Press Left, Right or OK button to select "Clock".

3

Press Up and Down buttons to move to "Date".

4

Press Left and Right buttons to move between Year-Month-Date.



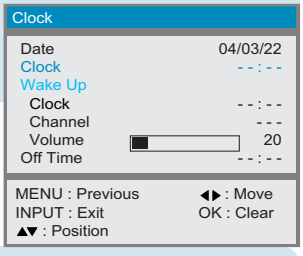
5

Press Up and Down or number (0~9) buttons to set the Date, Month and Year.

Press the Right button and then go to step 6 if you need to set clock.

6

Press Up and Down buttons to move to "Clock".



7

Press Left and Right buttons to move between Hour-Minute.

8

Press Up and Down or number (0~9) buttons to set the Hour, Minute.
Adjust the Hour using the 24-hour system :
Example : 6 P.M. Press 1 and 8.

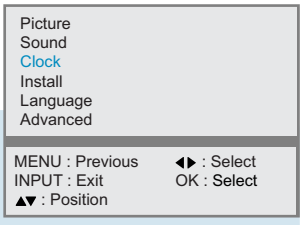
TIP

- You can erase and reset the Date and Clock by pressing the OK button.
- When the power supply AC main power is cut off, the clock is reset to the value before the Time set.

How to Set On/Off Time

This function allows you to automatically turn on your LCD TV at the preset time.

Press Menu button.
Menu items appear on the screen.



1

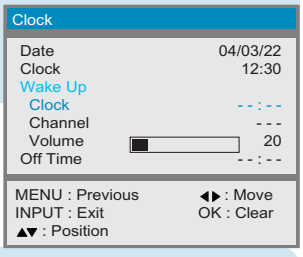
Press Up and Down buttons to move to "Clock".

2

Press Left, Right or OK button to select "Clock".

3

Press Up and Down buttons to move to "Wake Up(Clock)".



4

Press Left and Right buttons to move between Hour-Minute.

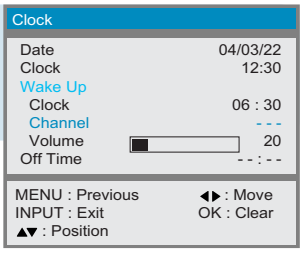
5

Press Up and Down or number (0~9) buttons to set the Hour-Minute.

Press the Right button and then go to step 6 if you need to set Channel.

6

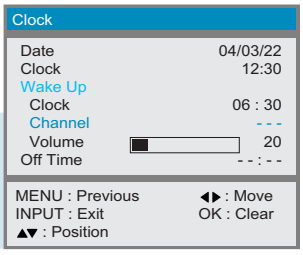
Press Up and Down buttons to move to "Channel".
And press Right button to select "Channel".



Continued on next page .....

..... Continued from previous page. (Set the volume level and channel at the time when your LCD TV turns on.)

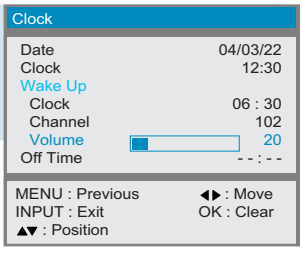
7 **Press the Up and Down or number (0~9) buttons to set the Channel.**



Press the Right button and then go to step 8 if you need to set the Volume.

8 **Press Up and Down buttons to move to "Volume".**

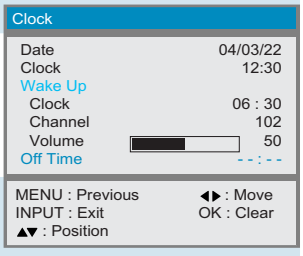
9 **Press Left and Right buttons to adjust Volume.**



Go to step 10 if you need to set the Off Time.

10 **Press Up and Down buttons to move to "Off time".**

11 **Press Left and Right buttons to move between Hour-Minute.**



12 **Press Up and Down or number (0~9) buttons to adjust the Hour-Minute.**

INPUT

Press **MENU** button after the setting is done, and Menu goes to the **previous menu**.
If the **INPUT** button is pressed, the **menu disappears**.

TIP

- You can erase and reset the Wake Up(Clock, Channel), Off time by pressing the OK button.
- Regardless of which Input Mode you set On Time in, your LCD TV will turn on in TV Mode only.
- If the Off time has been set, "Off time 1" or "Off time 2" will be displayed 1 minute or 2 minutes before your TV turns off.

How to Set Sleep Time

This function is available only with the remote control.

Press the Sleep button, then Sleep Time changes in order below.

Sleep Off

Sleep off ⇨ Sleep5 ⇨ Sleep10
⇨ Sleep20 ⇨ Sleep30 ⇨ Sleep60
⇨ Sleep90 ⇨ Sleep120 ⇨ Sleep180.

TIP

- If the Sleep time has been set, “Sleep 1” or “Sleep 2” will be displayed 1 minute or 2 minutes before your TV turns off.

Appendix

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Product Specifications 82

Glossary

Component video	Component video is sent through three cables: two color shade (chrominance) signals and one brightness (luminance) signal. Component video achieves greater color accuracy than composite video or S-VIDEO by splitting chrominance into two separate portions.
Composite video	Composite video is sent through a single cable. Composite video combines the color shade (chrominance) and brightness (luminance) information into one video signal.
S-VIDEO	S-VIDEO requires a single cable, which carries the brightness (luminance) and color (chrominance) signals of the picture separately. S-VIDEO provides better resolution than composite video, which carries the signals together.
480i	Provides 480 lines of resolution. Displays images using interlaced scanning, which first transmits all the odd lines on the TV screen and then the even lines.
480p	Provides 480 lines of resolution. Displays images using progressive scanning, which transmits each line from top to bottom.
720p	Provides 720 lines of resolution. Displays images using progressive scanning, which transmits each line from top to bottom.
1080i	Provides 1080 lines of resolution. Displays images using interlaced scanning, which first transmits all the odd lines on the TV screen and then the even lines. 1080i is one of the formats used by HDTV (High Definition TV).
Digital television (DTV)	A new technology for transmitting and receiving broadcast television signals. DTV provides higher resolution and improved sound quality over analog television.
HDTV(High Definition TV)	HDTV is a new kind of digital TV, creating a high quality picture, high definition. The HDTV provides a theater-like screen with an aspect ratio of 16:9. Supports 480p or higher.
SDTV(Standard Definition TV)	SDTV is a new kind of standard definition digital TV, having a range of lower resolution than the HDTV. Supports 480i.
Cable Broadcast Receiver (Converter)	A device that receives cable broadcasting. Connecting it to your TV set allows you to watch a various channels.
Satellite Broadcasting	Provides crisp picture and clear audio quality throughout the country via a satellite.
VHF/UHF	VHF (Very High Frequency) is the part of the frequency spectrum from 30 to 300 megahertz. UHF (Ultra High Frequency) is the part of the frequency spectrum from 300 to 3,000 megahertz.

DVD	DVD (digital versatile disc) is an optical disc that can store a huge volume of multimedia such as video, game, and audio application, etc.
Coaxial Cable	Coaxial cable is the kind of rounded copper cable, which is generally used for TV antenna.
LNA(Low-Noise-Ampilfler)	Satellite applied technology. It is capable of amplifying weak signals so that any area experiencing a signal interruption may enjoy a clearer picture quality.
Aspect ratio	Refers to the ratio between the width and height of the screen. This TV has a 16:9 (widescreen) aspect ratio, as opposed to a 4:3 aspect ratio.
PIP (Simultaneous Screen)	PIP allows you to view two images at the same time in a single screen.
SWAP	PIP function provides a main picture (larger image) and sub-picture (smaller image). The SWAP is designed to swap the sub-picture for the main picture. For example, while you are watching a main picture on TV and watching a sub-picture on VCR, you can instantly switch the two pictures by using the SWAP function.
Picture Mode	Picture Mode features the optimal picture quality. There are Custom-Standard-Sport-Natural-Mild features in order. “User Control” allows you to adjust Contrast, Brightness, Colour, Tint, etc.
Sound Mode	Sound Mode features the optimal sound quality. There are Standard-Music-Film-Speech-Custom features in order. “User Control” allows you to adjust high frequency sound, middle frequency sound and low frequency sound.
Channel Tuning	The feature allows you to enjoy optimal broadcasting. This product provides automatic tuning feature for the best broadcasting status. You can tune the channels manually.
SRS WOW	A well-recognized 3D sound technology developed by US SRS Labs, Inc. This technology delivers the ultimate audio experience only with two speakers as if through multi-channel speakers.

Troubleshooting

Installation Problems

Symptom	Possible solution
How can I install an antenna?	Refer to pages 23~24.
TV screen is not clear after installing an indoors antenna.	Indoors antenna may experience poor reception due to surrounding buildings. Please install an outdoors antenna or wireless antenna.
How can I view cable broadcasting?	Please install a cable broadcasting receiver (Converter).

Picture Problems

Symptom	Possible solution
Neither picture nor sound comes up.	Check whether power is on. Check whether the power is cut or whether power cord is properly connected. Try to plug another product's power cord to the outlet the LCD TV is plugged into.
Picture turns on slowly after power is on.	This symptom is not a malfunction. This delay is designed to prevent the distorted and noisy picture when power is on. However, if the picture does not appear more than 5 minutes after power is on, call a service center.
Vertical and horizontal lines and web patterns briefly appear on the picture and shake.	This symptom may be caused by interference from other electric appliances. Please avoid using a cordless phone, hairdryer, and electric drill, etc.
Input Source information only appears on black screen.	Check whether your TV is properly connected to external devices.
Poor reception on some channels.	Check whether you selected proper channels. Try re-orienting your antenna. Ensure LNA is activated.
Black and white on some channels.	Check other channels for black and white screen. Adjust colour.
TV won't turn on.	Ensure the power cord is plugged.
Screen is too bright or too dark.	Adjust brightness.

Auto On does not work.	Ensure to use the remote control or power button on the product to turn off your TV. If you unplug the power cord, the stand-by consumption power becomes 0 (zero), which causes the programmed time to be erased.
After setting the time, I turned TV off and turn it on. The programmed information has been erased.	Ensure to use the remote control or power button on the product to turn off your TV. If you unplug the power cord, the stand-by consumption power becomes 0 (zero), which causes the programmed time to be erased.

Sound Problems

Symptom	Possible solution
Too much noise occurs.	Check whether the audio setting is in the Stereo mode. In the Stereo mode, the sound may be distorted in the area where experiences poor reception or is located far away from a TV broadcasting station.
No sound while viewing a cable channel	Make sure an audio or audio/video component is securely inserted into the appropriate jacks. Check other channels for sound. Check the volume settings on the cable broadcasting receiver.
Picture is OK but sound does not come out.	Try to press volume up/volume down buttons of your remote control.
One of the speakers does not produce sound.	Select sound balance and make proper adjustment. (Page 43) Check the speaker connection cables.

General

Symptom	Possible solution
Remote control won't work.	Check whether there is a blocking object between the remote control and LCD TV. Make sure your LCD TV is Power On. (In case of normal, LED on the front panel is in Red.) Check whether batteries are inserted with proper polarities(+, -). When the batteries are worn out, replace with new ones.
Where does the S-Video cable plug in for audio output?	Connect the two Audio jacks from the S-Video cable to the left and right ports on the Composite.
Strange noises are heard.	Ticking noise during or after watching is caused by the change of ambient environment such as humidity and temperature, which is characterized by plastic products. Strange ticking noise occurs because a signal is suddenly transmitted to the LCD panel. So, this is not a malfunction.
I tried to use the TV screen as a PC monitor but it doesn't work.	Adjust the resolution referring to the standard signal mode table. Check the specification of your video card installed in your PC. If your video card does not work in supported hardware. Try upgrading the video card's driver.

Care and Cleaning

Cabinet Cleaning

Wipe a soft dry cloth.

Do not use inflammables like Benzene or Thinner, or wet clothes.
Do not scratch the panel of TV with a fingernail or pointed object.

Screen Cleaning

Clean the screen with a soft cloth moistened in mild glass detergent and dry with a soft cloth.

Never use any solvent on the screen such as Acetone, Benzene, or Thinner, etc.

Cleaning Inside

When the inside needs to be cleaned, contact a service center or distribution agent where the item is purchased.

It is recommended cleaning is complete before the rainy season.

Product Specifications

MODEL		HQL260WR	HQL320WR
Display	Size	26" Diagonal (15:9)	32" Diagonal (16:9)
	Type	a-si TFT active matrix	a-si TFT active matrix
	Contrast Ratio	500 :1	1000 :1
	Luiminance (cd/m²)	Typical 450	Typical 450
	Viewing Angle	170 (H) /170 (V)	170 (H) /170 (V)
	Resolution	1280 X 1024	1024 X 768
	Pixel Pictch (mm)	0.4425 (H) x 0.4425 (V)	0.51075 (H) x 0.51075 (V)
	Pixel arrangement	RGB Vertical stripe(Asymetric)	RGB Vertical stripe(Asymetric)
Input/Output	S-Video	1 EA(with common A/V Audio)	1 EA(with common A/V Audio)
	A/V (RCA)	2 EA (with Audio)	2 EA (with Audio)
	Component(Y/Cb/Cr)	1 EA (with Audio)	1 EA (with Audio)
	RF	1 EA	1 EA
	PC Connector	D-SUB	D-SUB
	Max. Resolution	1024 X 768 @ 75 Hz	1024 X 768 @ 75 Hz
	Audio	Component Audio(Common)	Component Audio(Common)
	Headphone	1 EA	1 EA
TV/VIDEO	Color System	NTSC	NTSC
	Sound System	AM, FM	AM, FM
	Video System	CVBS, S-VHS, RGB, Component	CVBS, S-VHS, RGB, Component
Power	Supply	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz
	Consumption	Typical 120W	Typical 140W
	Saving	Typical 1.8W / (< 2.5W)	Typical 3W
Dimension(W x D x H mm)		814 x 223 x 491 (with stand)	957 x 236 x 495 (with stand)
Weight		16 Kg (with stand)	18 Kg (with stand)
Control Type		Remote Control, Key Control	Remote Control, Key Control

- Specification is subject to change without notice for performance improvement.
- Specification on 'dead pixel' of LCD panel applies to ISO13406-2 Standard.

HYUNDAI
HYUNDAI IMAGEQUEST

Service Center

USA
Hyundai ImageQuest America
(C/O : I Display)
5690 Steward Ave. Fremont, CA 94538, USA
Tel : 510-683-0970
Fax : 510-683-0974

GERMANY
Hyundai ImageQuest Europe GmbH
Hajo-Rüter Str. 19, 65239 Hochheim
Tel : 06146 / 904 444
Fax : 06146 / 904 410
e-mail : service@hyundaiq.de
WWW : www.hyundaiq.com

AUSTRALIA
Thomas Electronics Australia Pty Ltd.
3 Sheridan Close
Milperra NSW 2214, Australia
Tel : +61 2 9773 7400
Fax : 61 2 9773 7177
Attn : Ms. Shiely Poniman

JAPAN
Hyundai ImageQuest JAPAN
Shin-Hibiya Bldg, East 5F 1-3-6
Uchisaiwai-Cho, Chiyoda-ku,
Tokyo, Japan 100-0011
Tel : 03-5157-2286
Fax : 03-5157-2284
e-mail : pjkim@iqt.co.kr
C/S P.J.Kim

www.hyundaiQ.com

P/N 632 0238 100 Rev.00