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Thank you very much for purchasing your LED TV. It serves as a normal colour TV and a PC monitor. To enjoy your set fully from the very beginning, read this manual carefully and keep it handy for future reference.

**INSTALLATION**

1. Locate the TV in the room where direct light does not strike the screen. Total darkness or a reflection on the picture screen can cause eyestrain. Soft and indirect lighting is recommended for comfortable viewing.

2. Allow enough space between the TV and the wall to permit ventilation.

3. Avoid excessively warm locations to prevent possible damage to the TV or premature component failure.

4. This TV can be connected to AC 100-240V~ 50/60Hz.

5. Do not install the TV in a location near heat sources such as radiators, air ducts, direct sunlight, or in closed compartments and closed areas. Do not cover the ventilation openings when using the TV.

6. The indicator light will last for about 30 seconds after the power has been turned off. Wait until the indicator light goes out before repowering the TV.

**SAFETY**

1. DO NOT expose the television to extremely high temperatures (below 5 °C and above 35 °C) or extreme humidity (less than 10% and more than 75%).

2. DO NOT expose the television to direct sunlight.

3. Prevent the television from coming into contact with liquids.

4. Make sure that no objects get into the television and do not place vases of water on the television.

5. Unplug the power cord and remove the antenna cable during a lightning storm (especially during lightning).

6. Do not walk on the cable and ensure that the cable is fully unrolled.

7. Do not overload outlets or extension cords, as this may result in the risk of fire or electric shock.

8. Use a soft, dry cloth (without volatile substances) to clean the television.

9. Do not attempt to repair the television yourself if it is defective. Contact us by sending an email to service@hkc-europe.com.
Warning

CAUTION: TO AVOID THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER (OR BACK).
NO USER- SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to avoid the risk of electric shock, do not disassemble this equipment by anyone except a qualified service personnel.

This symbol is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the equipment.
Caution

High voltages are used in the operation of this product. Do not open the product’s casing. Refer servicing to qualified service personnel.

Caution

To prevent fire or electrical shock hazard, do not expose the main unit to moisture. Do not place objects filled with liquids, such as vases, on the TV.

Caution

Do not drop or push objects into the television cabinet slots or openings. Never spill any kind of liquid on the television receiver.

Caution

Avoid exposing the main unit to direct sunlight and other sources of heat. Do not stand the television receiver directly on other products which give off heat: e.g. video cassette players and audio amplifiers. Do not block the ventilation holes in the back cover. Ventilation is essential to prevent failure of electrical components. Do not squash power supply cord under the main unit or other heavy objects.
Caution
Never stand on, lean on or suddenly push the product or its stand. You should pay special attention to children.

Caution
Do not place the main unit on an unstable cart stand, shelf or table. Serious injury to an individual, and damage to the television, may result if it should fall.

Caution
When the product is not used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet.

Caution
The LED panel used in this product is made of glass and is therefore breakable. This product must not be dropped or banged. If the LED Panel breaks be careful of being injured by broken glass.
Main unit description

Control Panel Button Function

VOL+ : Volume up.
VOL- : Volume down
CH+: TV channel up.
CH- : TV channel down.
MENU : Press to select the main menu.
SOURCE : Select the input signal.
POWER : Switch on when in standby mode or to enter the standby mode.

TV Connections

2. HDMI-1 7. HDMI-3 12. Mini AV & AUDIO
3. HDMI-2 8. LNB IN 13. CI-slot
4. VGA 9. RF antenne 14. Earphone
5. PC audio 10. USB-1 15. COAXIALE

Connect the USB to the USB jack on the set.

NOTE
- It is only 500 mA MAX of DC current output when you connect with USB jack.
- To ensure the mobile HD works well, you should use other power supply for the mobile HD and don’t use the USB jack in the same time.
- It supports mobile HD by connecting with USB jack (must be more than 2 Gb). The partitions of the mobile HD can’t be more than 4 partitions. The max partition is 2 Tb. It supports FAT/FAT32 files. The max FAT file is 4Gb and the max FAT32 file is 2Tb.
Remote Control

1. Indicator light.
   The red indicator light flashes red to show that the remote is working and sending a signal.

2. Switch the TV between on and standby mode.


4. Mute and restore your TV sound.

5. 0-9 numbers.
   Press to select a programme.
   Select numbered items in a menu (DVD mode).

6. List. Display the channel list (ATV/DTV mode).

7. Return. Return to the previous viewing channel (ATV/DTV mode) or return to menu (DVD mode).
   Repeat. Select between different repeat modes (DVD mode).

8. Display subtitles which are broadcast with the programme (DTV mode).
   Display subtitles on the DVD (DVD mode).

9. Adjust the volume (+ higher, - lower).

10. Select a channel (up/down).

11. Audio
    Turn on/off the Audio Description (AD) function (DTV mode).
    Select different Audio Mode on DVD mode.
    Select stereo/dual sound reception (ATV mode)

12. Display the present channel information such as current time and channel name (ATV/DTV mode).
    Display the present disc information (DVD mode)


14. No function.

15. Displays the OSD menu (On Screen Display).


17. Allows you to navigate through the OSD menus and adjust the system settings to your preference.
    OK confirm the selection in the OSD menus.

18. Return to the previous menu in the OSD menus.
19 • Exit the OSD menu.
   • Display and exit the DVD setup menu (DVD mode).

20 • Access the Teletext items (ATV/DTV mode).
   • Access menu options.
   PROG (RED)
   • Display the channel menu (ATV/DTV mode).
   • Access menu options.
   • Programme the DVD (DVD mode).
   STEP (GREEN)
   • Play the playback forward frame by frame (DVD mode).
   GO TO (YELLOW)
   • Skip to a specific location on a DVD (DVD mode).
   A-B (BLUE)
   • Repeat a segment between A and B (DVD mode).

21 • To select the page number of the index in teletext
   (TV Teletex mode).
   • Stop the playback or recording (USB/DTV/DVD mode).

22 • Freeze a multi-page passage on screen in Teletekst
   (TV teletekst mode).
   • To start the timeshift playback (DTV mode).
   • To start playback or pause (DTV/USB/DVD mode).

23 • To show hidden information if existing (TV teletext mode).
   • Reverse playback rapidly (USB/DVD mode).

24 • To enlarge the picture on the TV in teletext
   (TV teletex mode).
   • Advance playback rapidly (USB/DVD mode).

25 • Display the favourite channel list (ATV/DTV mode).
   • Display the DVD menu (DVD mode).

26 • A short cut to switch input source to TV/Digital radio
   channels.
   • Select different angles for the video (DVD mode).

27 • TV and TXT pictures are mixed together
   (TV teletext mode).
   • To skip to the beginning of the previous chapter/track/
     photo (USB/DVD mode).

28 • To open a subpage if existing in teletext
   (TV teletext mode).
   • Skip to the beginning of the next chapter/track/photo
     (USB/DVD mode).

29 Display the DVD title content (DVD mode).

30 Play video slowly (DVD mode).

31 • Turn on and off the teletext function (TV mode).
   • Zoom in on the displayed frame (DVD mode)

32 • Eject the disc (DVD mode)
   • Cancel
Channel
Main menu items (from right order Channel->Picture->Sound->Advance) at DTV/ATV input source. The first item is Channel page as default. Now, press right key to enter the sub page, Auto Tuning is highlighted. In this page, we have four subItems: Auto Tuning, Manual Tuning, program guide (this item is only showed in DTV channel) and program Edit.

Before introduce the specific menu function, there are some basic keys to know first.

<table>
<thead>
<tr>
<th>Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>🙆</td>
<td>Navigation</td>
</tr>
<tr>
<td>OK</td>
<td>Confirm your selection</td>
</tr>
<tr>
<td>EXIT</td>
<td>Exit current page</td>
</tr>
<tr>
<td>MENU</td>
<td>Return to the last page</td>
</tr>
</tbody>
</table>
Auto tuning
Enter Auto Tuning, there is a dialog to choose atv auto tuning, dtv auto tuning or ATV / DTV auto Tuning. Enter it and we can see a view of searching tv program in ATV or DTV automatically.

Press EXIT to finish the tuning process.
Manual tuning

<table>
<thead>
<tr>
<th>Item</th>
<th>Adjust item</th>
<th>Default</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channel</td>
<td>1-100</td>
<td>1</td>
<td>Current channel shows</td>
</tr>
<tr>
<td>Color System</td>
<td>PAL,NTSC,SE-CAM,AUTO</td>
<td>PAL</td>
<td>Program color system</td>
</tr>
<tr>
<td>Sound system</td>
<td>I,L,M,N,BG,DK</td>
<td>I</td>
<td>Program sound system</td>
</tr>
<tr>
<td>Frequency</td>
<td>40-100mhz</td>
<td></td>
<td>Channel frequency size</td>
</tr>
<tr>
<td>Program Search</td>
<td></td>
<td></td>
<td>Start or stop channel search</td>
</tr>
</tbody>
</table>
Antenna Type

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air</td>
<td>Set Air format</td>
</tr>
<tr>
<td>Cable</td>
<td>Set Cable format</td>
</tr>
<tr>
<td>Satellite</td>
<td>Set Satellite format</td>
</tr>
</tbody>
</table>

Note:
Of course you are dependent on your own provider for the channel offer.
Main menu on TV

Country (only shows in DTV)

Here you can set which country you are in.

Password (only shows in DTV)

You can give broadcasters a pin code if you wish. For example, you can ensure that children do not watch programs that are unsuitable for them.
Main menu on TV

Signal Information (only shows in DTV)

Here you will find all information about a specific channel.

Electronic program guide (EPG)

Electronic Program Guide (EPG) contains program information that is now or in the future is broadcast. The EPG is divided into 3 columns: Channel, the program with day and time and the date.
You can choose from different programs and different dates.
Main menu on TV

Scroll through the list until you have the desired program. The electronic guide also has the function to mark a program as a reminder. Scroll to the program, press OK in the program menu and the program is selected to remind you at a later time.

The reminder menu looks like this:

Select Remind and you will receive a reminder message on your TV at the desired time. Schedule list is a list of programs for which you have set a reminder.
Main menu on TV

Program Edit

The Program Edit menu shows the basic information of all TV programs. Press on the OK button. A new menu then appears where you can set various properties for the program such as favorite, delete or skip.

<table>
<thead>
<tr>
<th>Key</th>
<th>Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Favorite</td>
<td>ATV/DTV</td>
<td>Set program as favorite</td>
</tr>
<tr>
<td>Delete</td>
<td>ATV/DTV</td>
<td>Delete the current channel</td>
</tr>
<tr>
<td>Skip</td>
<td>ATV/DTV</td>
<td>Choose if skip the current channel when CH+/- channel tuning</td>
</tr>
</tbody>
</table>
Picture mode
In this part of the user mode you can set the picture mode as desired.

<table>
<thead>
<tr>
<th>Item</th>
<th>Adjust Range</th>
<th>Default</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Picture mode</td>
<td>• Standard</td>
<td>Standard</td>
<td>Change the different picture mode to change the real picture effect in non user mode</td>
</tr>
<tr>
<td></td>
<td>• User</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Lightness</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Soft</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Vivid</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Natural</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Sports</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
User mode
The page in user mode provide the user to adjust picture parameter to achieve their prefer image quality.

Here you can adjust contrast, brightness, sharpness, saturation and backlight.

Color temperature
Like picture mode, color temperature is also the factor that influence the final image quality. It provides 3 different color Temperature: standard, cool and warm.
Image Noise Reduction
Image Noise Reduction is the function that reduce image noise and improve picture quality.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>Close Image Noise Reduction Function</td>
</tr>
<tr>
<td>Low</td>
<td>Set Image Noise Reduction level low</td>
</tr>
<tr>
<td>Middle</td>
<td>Set Image Noise Reduction level middle</td>
</tr>
<tr>
<td>Strong</td>
<td>Set Image Noise Reduction level Strong</td>
</tr>
</tbody>
</table>

Zoom mode

<table>
<thead>
<tr>
<th>Input source</th>
<th>Panel resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATV/DTV</td>
<td>16:9,4:3, Auto, Zoom1, Zoom2</td>
</tr>
<tr>
<td>HDMI</td>
<td>16:9,4:3,Just Scan, Zoom, Zoom2</td>
</tr>
<tr>
<td>VGA</td>
<td>16:9,4:3</td>
</tr>
</tbody>
</table>
Sound

Sound mode
You can choose here which mode you set the sound for. You can choose between standard, personal, music, feature film or sport.

Sound user mode

<table>
<thead>
<tr>
<th>Bass</th>
<th>Adjust low sound Effect (0-600Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treble</td>
<td>Adjust high sound Effect (more 1000Hz)</td>
</tr>
</tbody>
</table>
Sound

Balance
Adjust sound balance: LEFT, RIGHT control data size

AVC/Surround
The switch of open or close AVC/Surround.

S/PDIF out
An S/PDIF connection makes it possible to transfer two audio channels (ie stereo sound) in uncompressed digital form. Only intended for output. With digital transmission, the audio signal does not have to be converted from digital to analogue (and vice versa), so that you have no loss of audio quality.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCM</td>
<td>Output sound in uncompressed digital form</td>
</tr>
<tr>
<td>RAW</td>
<td>Output sound in uncompressed RAW form</td>
</tr>
<tr>
<td>OFF</td>
<td>Close the function of S/PDIF OUT</td>
</tr>
</tbody>
</table>

Alone
Alone means listen only, if you want to just listen the program, choose it and the screen will be black.
Note: Press “menu” to cancel Alone state.
Menu time
Here you can set how long you want to stay in a menu.

Sleeptimer
With the sleep timer you can set the TV to automatically switch to standby after a set time.

Blue screen
You can turn it on so that you can see that there is nothing wrong with the TV without a signal.
Advance

Store mode
If this is on you can see all storage options.

Restore To Default
Reset all menu state to default, such as Menu time to default value.

Input source Menu
Here you can choose between the possible input sources.
Record

Channelist
All available channels can be seen here.

Personal Video Recorder (PVR)
PVR function is only available for DTV, includes Record, Timeshift and Playback function. Recording includes in time record and preserve record. In-time record can be worked through short-cut key immediately, and preserve record need to preserve before. Record and Playback can be done of the same time, that means record DTV and playing USB equip at the same time. Timeshift is another function for both record and playing together. The follows it would explain in details.
### Record

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select Disk</td>
<td>Choose the disc to store whatever content need record</td>
</tr>
<tr>
<td>Speed check*</td>
<td>Check usb speed</td>
</tr>
<tr>
<td>Format**</td>
<td>Storage format</td>
</tr>
<tr>
<td>Record list (short cut index)</td>
<td>The list of record program</td>
</tr>
<tr>
<td>Video record (short cut Record)</td>
<td>Start record</td>
</tr>
</tbody>
</table>

*Speedcheck: Check storage equipment PVR File System is well established. Default as Start, OK/Enter and Right key to inspect the USB files system and speed, the processionsg shows Checking… When no inserting USB, or inspection failed, it shows FAIL. When inserting USB but didn’t pass MStar Format: enter Format menu. When inserting USB but inspecting unnormal no partition, it shows No Partition.

** Format: At Format, press OK/Enter or Right key to start Checking PVR File System, after confirmed USB equip information, it pop out Format Disk menu as follows:
Record

Recorder List
The menu is as follows:

PVR (Personal Video Recorder) - Opnemen
• Simple mode looks like this:

Simple mode just shows the REC and record time.
All record modus looks like this:

Here you can adjust some things in the recording mode.

You can switch between simple mode and all record mode with the Exit button on your remote control.

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Pause</td>
<td>Pause the recording</td>
</tr>
<tr>
<td>- Stop</td>
<td>Stop the recording</td>
</tr>
<tr>
<td>- Rev</td>
<td>Go back 30 seconds in the recording</td>
</tr>
<tr>
<td>- FF</td>
<td>Go forward 30 seconds in the recording</td>
</tr>
<tr>
<td>- Timeplay</td>
<td>Record and play simultaneously</td>
</tr>
<tr>
<td>- Backward</td>
<td>Fast rewind</td>
</tr>
<tr>
<td>- Forward</td>
<td>Fast forward</td>
</tr>
<tr>
<td>- A-B</td>
<td>Marking specific place in the recording</td>
</tr>
<tr>
<td>- SlowMotion</td>
<td>Play in slow motion</td>
</tr>
</tbody>
</table>
The four basic applications in our system are:

- Application Manager
- FileManager
- Media Center
- Settings

**Application Manager**

They are providing the most common function of manager the tv system in launcer, such as file operater, music,application installer or uninstaller.
File Manager

The file manager is used to show and operate all files in local store and USB. You can perform file operations by menu key, the file operation include delete, copy, paste, etc.
Media Center Video

Media Center
Here you will find all options regarding video, music and image.

Video in Media Center

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="info" /></td>
<td>Show the information like name, file formation</td>
</tr>
<tr>
<td><img src="image" alt="auto" /></td>
<td>Adjust resolution</td>
</tr>
<tr>
<td><img src="image" alt="settings" /></td>
<td>Set breakpoint, subtitles and track number</td>
</tr>
<tr>
<td><img src="image" alt="point" /></td>
<td>Set playback on point A</td>
</tr>
<tr>
<td><img src="image" alt="play-time" /></td>
<td>Set video play in a specific time</td>
</tr>
<tr>
<td><img src="image" alt="sound" /></td>
<td>Set sound in single cycle/all cycle/random</td>
</tr>
<tr>
<td><img src="image" alt="playlist" /></td>
<td>Show playlist</td>
</tr>
<tr>
<td><img src="image" alt="previous" /></td>
<td>To previous video (play)</td>
</tr>
<tr>
<td><img src="image" alt="rewind" /></td>
<td>Rewind (various speeds)</td>
</tr>
<tr>
<td><img src="image" alt="pause" /></td>
<td>Pause or start video</td>
</tr>
<tr>
<td><img src="image" alt="fast-forward" /></td>
<td>Fast forward (various speeds)</td>
</tr>
<tr>
<td><img src="image" alt="next" /></td>
<td>Go to next video (play)</td>
</tr>
</tbody>
</table>
Music in Media Center

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>🔍</td>
<td>Information about the music such as name, size etc.</td>
</tr>
<tr>
<td>🕒</td>
<td>Show / hear music at specific time</td>
</tr>
<tr>
<td>🎧</td>
<td>Adjusting sound</td>
</tr>
<tr>
<td>🎵</td>
<td>Show playlist</td>
</tr>
<tr>
<td>◀</td>
<td>To previous music clip (play)</td>
</tr>
<tr>
<td>◀◀</td>
<td>Rewind (various speeds)</td>
</tr>
<tr>
<td>⏸</td>
<td>Pause or start a music clip</td>
</tr>
<tr>
<td>▶▶</td>
<td>Fast forward (various speeds)</td>
</tr>
<tr>
<td>▶▷</td>
<td>Go to next music clip (play)</td>
</tr>
</tbody>
</table>
Image in Media Center

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>![i]</td>
<td>Information about the images such as name, size etc.</td>
</tr>
<tr>
<td>![🔍]</td>
<td>Zoom out on the images</td>
</tr>
<tr>
<td>![🔍]</td>
<td>Zoom in on the images</td>
</tr>
<tr>
<td>![≡]</td>
<td>Show the list of images</td>
</tr>
<tr>
<td>![ ⇆]</td>
<td>Turn the image 90 ° counterclockwise</td>
</tr>
<tr>
<td>◀◀</td>
<td>Go to previous image</td>
</tr>
<tr>
<td>![ ▶]</td>
<td>Pause or start image</td>
</tr>
<tr>
<td>▶▶</td>
<td>Go to next image</td>
</tr>
<tr>
<td>![ ⏳]</td>
<td>Turn the image 90 ° clockwise</td>
</tr>
</tbody>
</table>
**Settings**

With these settings you can adjust the TV to your wishes.

![Setting options](image)

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌐</td>
<td>Network setting</td>
</tr>
<tr>
<td>📚</td>
<td>Set OSD language and input methods</td>
</tr>
<tr>
<td>🕒</td>
<td>Set time zone and current time</td>
</tr>
<tr>
<td>🌐</td>
<td>System information</td>
</tr>
<tr>
<td>🌐</td>
<td>Set wifi display on</td>
</tr>
<tr>
<td>🔄</td>
<td>System Update</td>
</tr>
<tr>
<td>🔄</td>
<td>Reset the settings in default mode</td>
</tr>
<tr>
<td>📘</td>
<td>TV information</td>
</tr>
</tbody>
</table>
Network settings

Network status
Shows the current status of the network.

Wired connection
Select ‘Open Ethernet’ and choose to turn it on or off.
Network settings

Wireless connection Wi-Fi
Select ‘wireless connection’ and find the name of the Wi-Fi point that you want to use. Enter the password and connect.

Connection via PPPoE (Point-to-Point Protocol over Ethernet)
Select this, enter your username and password.
Network settings

Turn your TV into a hotspot for other devices
Connect an open network, enter your ssid and password and then save.
Language setting
Press Column ‘Language Setting’ to change OSD language
Press Column ‘Modify the default input method’ to change input method

Time and date

<table>
<thead>
<tr>
<th>Column</th>
<th>Description</th>
</tr>
</thead>
</table>
| Get time and date over network | ON: Date and time are set automatically via the network  
                               OFF: Set the time and date manually                                      |
| TimeZone                    | Select the time zone where you are located                                 |
| Use 24-hour format          | ON: Use 24-hour format (00.00-23.59)                                         
                               OF: Use 12-hour format (00.00-11.59 AM/PM)                                |
| Select date format          | 1: Month-Day-Year  
                               2: Day-Month-Year  
                               3: Year-Month-Day                                                       |
System

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allow install of non AppStore apps</td>
<td>ON: Allow install of non appstore application</td>
</tr>
<tr>
<td></td>
<td>OFF: Not allow install of non appstore application</td>
</tr>
<tr>
<td>Cache cleaner</td>
<td>Clean cache</td>
</tr>
<tr>
<td>Google Account Manager</td>
<td>Show Google account information</td>
</tr>
</tbody>
</table>

**Cache cleaner**

Here you can delete the temporary internet files so that the system works better again and you see the newest pages.
Connection with smartphone
Make your phone image cast down on TV.

System upgrade
For updating the system.

<table>
<thead>
<tr>
<th>Network upgrade</th>
<th>Updating via the network</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local upgrade</td>
<td>Updating via a local device such as a USB stick</td>
</tr>
</tbody>
</table>

Restoring the factory state
Resetting the TV's factory settings.
About
Information about the TV.

Styles
In our new Ui system, we have a new advanced functions. The basic background of TV can change with time. The tv will change its color when the time go day or night to protect the user’s eyes. Following are the night tv and night home.
Specifications

**RGB-input**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Resolution</th>
<th>Horizontal Frequency (KHz)</th>
<th>Vertical Frequency (KHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOS</td>
<td>720 x 400</td>
<td>31.5</td>
<td>70</td>
</tr>
<tr>
<td>VGA</td>
<td>640 x 480</td>
<td>31.5</td>
<td>60</td>
</tr>
<tr>
<td>SVGA</td>
<td>800 x 600</td>
<td>37.9</td>
<td>60</td>
</tr>
<tr>
<td>XGA</td>
<td>1.024 x 768</td>
<td>48.4</td>
<td>60</td>
</tr>
<tr>
<td>WXGA</td>
<td>1.920 x 1.080</td>
<td>67.5</td>
<td>60</td>
</tr>
</tbody>
</table>

**HDMI-input**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Resolution</th>
<th>Horizontal Frequency (KHz)</th>
<th>Vertical Frequency (KHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VGA</td>
<td>640 x 480</td>
<td>31.47</td>
<td>59.94</td>
</tr>
<tr>
<td>480i</td>
<td>720 x 480i</td>
<td>15.73</td>
<td>59.94/60</td>
</tr>
<tr>
<td>576i</td>
<td>720 x 576i</td>
<td>15.63</td>
<td>50</td>
</tr>
<tr>
<td>480p</td>
<td>720 x 480p</td>
<td>31.47</td>
<td>59.94/60</td>
</tr>
<tr>
<td>576p</td>
<td>720 x 576p</td>
<td>31.26</td>
<td>50</td>
</tr>
<tr>
<td>720p</td>
<td>1.280 x 720p</td>
<td>37.50</td>
<td>50</td>
</tr>
<tr>
<td>1.080i</td>
<td>1.920 x 1.080i</td>
<td>28.13</td>
<td>50</td>
</tr>
<tr>
<td>1.080p</td>
<td>1.920 x 1.080p</td>
<td>56.25</td>
<td>50</td>
</tr>
<tr>
<td>2.160p</td>
<td>3.840 x 2.160p</td>
<td>67.5</td>
<td>59.94/60</td>
</tr>
</tbody>
</table>

**Component video (YPbPr) input**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Resolution</th>
<th>Horizontal Frequency (KHz)</th>
<th>Vertical Frequency (KHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>480i</td>
<td>720 x 480i</td>
<td>15.73</td>
<td>59.94/60</td>
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<td>56.25</td>
<td>50</td>
</tr>
</tbody>
</table>

*Due to continuous product development, specifications are subject to change without prior notice.*
## Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
</table>
| TV will not turn on                          | • Make sure the power cord is plugged in.  
• The batteries in the remote control may be drained; replace the batteries.                                                    |
| No picture, no sound                         | • Check the cable between TV and antenna/external AV device.  
• Press the power button on the remote.  
• Press the SOURCE button the remote, then press the ▼▲ button repeatedly to select the TV source. |
| Poor picture, sound OK                       | • Check the cable between TV and antenna/ external AV device.  
• Try another channel, the station may have broadcast difficulties.  
• Adjust the brightness/contrast in the Video menu.  
• Check that the unit is set to PAL |
| Audio noise                                  | • Check if the cables are connected properly.  
• Move any infrared equipment away from the TV.                                                                                       |
| No audio                                     | • Make sure the volume is not turned off or set to minimum.                                                                             |
| Photos, videos and music from a USB device are not displayed | • Check if the USB storage device is capable of mass storage, as described in the documentation that came with the storage device.  
• Check if the USB storage device is compatible with the TV  
• Check if the audio and image file formats are supported by the TV.                                                                   |
<table>
<thead>
<tr>
<th>Troubleshooting</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>USB files are played jerkily</strong></td>
</tr>
</tbody>
</table>
Guarantee
We regret it when a RCA product doesn’t work as it should, despite our careful quality control. That is why we offer a 2-year manufacturer’s warranty after the date of purchase on all our models.
This guarantee is a pick-up and return guarantee. This means that we take care of the return of the product to our repair and service center. We will thoroughly check the product and solve the problem. We will send the product back to your home within 7 working days.
If the product can no longer be repaired, we will send you a new one.

Warranty conditions
1. Factory warranty is only given if you can present the purchase invoice.
2. This manufacturer’s warranty applies to all RCA-europe products.
3. Manufacturer’s warranty applies only to material and manufacturing defects. Problems caused by improper use, incorrect installation, external factors and normal wear and tear are not covered by this manufacturer’s warranty.
4. The factory warranty expires as soon as changes or repair work on the product are carried out by yourself or third parties. The same applies if the serial number is changed or removed.
5. The decision on repair or replacement of the product is exclusively reserved to RCA. The warranty period is not extended due to repair or replacement.

Customer service contact form
To use the Manufacturer’s warranty or other questions, you can contact RCA Customer Service via the customer service contact form at www.rca-europe.com/en/service/contact.

Due to the continuous product development, the manual can change without prior notice. Typing and printing errors reserved.
Useful Information and Licences

EC directives internet address:

The symbol on the product or its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

For more information about where you can drop off your waste for recycling, please contact your local authority, or where you purchased your product.

Notes for Battery Disposal

The batteries used with this product contain chemicals that are harmful to the environment. To preserve our environment, dispose of used batteries according to your local laws or regulations. Do not dispose of batteries with normal household waste.

For more information, please contact the local authority or your retailer where you purchased the product.

MPEG-2 NOTICE

Any use of this product in any matter other than personal use that complies with the MPEG-2 standard for encoding video information for packaged media is expressly prohibited without a license under applicable patents in the MPEG-2 Patent Portfolio, which license is available from MPEG LA, LLC, 6312 S. Fiddlers Green Circle, Suite 400E, Greenwood Village, Colorado, 80111 U.S.A.
About RCA
For over 90 years, the RCA brand has been there for countless moments in family rooms across America. Through it all, families have come to expect exceptional performance, quality, innovation and value from RCA.
Today, the RCA brand symbolizes American ingenuity worldwide. Its iconic name can be found on flat-panel and 4K televisions, tablets, smartphones, home appliances, and many other extraordinary products. From our biggest public moments to the smaller, more personal ones, RCA has been a part of our lives and will continue to be today, tomorrow and well into the future.
RCA has always been a solid choice for consumer electronics products, from the first radio sets that swept the country in the early 1920’s to today’s dependable and affordable digital home entertainment products.

RCA is an icon of American innovation. We popularized the radio in the 1920s, developed television in the 1930s, created color TV standards in the 1950s, and became a computer innovator in the 1960s. Today, the RCA brand is working to attract a new generation of families to RCA—establishing the brand as a clear choice for electronics. We create emotional connections with products that have and always will deliver innovation, quality and value.
RCA is made for moments.

Customer service
Send an email with your question:
service@hkc-europe.com
or phone +31 (0)40 - 303 31 99
(monday-friday 09.00 - 17.00 uur).

For product information: www.rca-europe.com