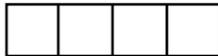


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SHARP®

**LC-19S7E
LC-26S7E
LC-32S7E**

OPERATION MANUAL / BEDIENUNGSANLEITUNG / MODE D'EMPLOI / MANUALE DI ISTRUZIONI /
GEBRUIKSAANWIJZING / MANUAL DE MANEJO / MANUAL DO UTILIZADOR

**LCD COLOUR TELEVISION
LCD-FARBFERNSEHGERÄT
TÉLÉVISEUR COULEUR À ÉCRAN
CRISTAUX LIQUIDES (LCD)
TELEVISORE A COLORI LCD
LCD-KLEURENTELEVISIE
TELEVISIÓN EN COLOR LCD
TELEVISOR LCD A CORES**

SHARP 1



**HD
ready**

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

ENGLISH

DEUTSCH

FRANÇAIS

ITALIANO

NEDERLANDS

ESPAÑOL

PORTUGUESE



- The illustrations and on-screen displays in this operation manual are for explanation purposes and may vary slightly from the actual operations.

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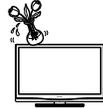
Introduction

Dear SHARP customer

Thank you for your purchase of the SHARP LCD colour TV product. To ensure safety and many years of trouble-free operation of your product, please read the Important Safety Precautions carefully before using this product.

Important Safety Precautions

- Cleaning—Unplug the AC cord from the AC outlet before cleaning the product. Use a damp cloth to clean the product. Do not use liquid cleaners or aerosol cleaners.
- Water and moisture—Do not use the product near water, such as bathtub, washbasin, kitchen sink, laundry tub, swimming pool and in a wet basement.
- Do not place vases or any other water-filled containers on this product.
The water may spill onto the product causing fire or electric shock.
- Stand—Do not place the product on an unstable cart, stand, tripod or table. Doing so can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.
- When relocating the product placed on a cart, it must be moved with utmost care. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.
- Ventilation—The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.
- The LCD panel used in this product is made of glass. Therefore, it can break when the product is dropped or impact applied. If the LCD panel is broken, be careful not to be injured by broken glass.
- Heat sources—Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).
- To prevent fire, never place any type of candle or naked flames on the top or near the TV set.
- To prevent fire or shock hazard, do not place the AC cord under the TV set or other heavy items.
- Do not display a still picture for a long time, as this could cause an afterimage to remain.
- There is power consumption always if main plug is connected.
- Servicing—Do not attempt to service the product yourself. Removing covers can expose you to high voltage and other dangerous conditions. Request a qualified person to perform servicing.
- For ventilation, leave at least 4" to 6" free all around the TV. Do not place the TV on a carpet.
- The equipment shall not be exposed to dripping or splashing.
- The equipment shall not be exposed to rain or moisture and objects filled with liquids, such as vases, shall be placed on the apparatus.
- The appliance coupler is used as the disconnect device of this apparatus, the disconnect device shall remain readily operable.



The LCD panel is a very high technology product, giving you fine picture details.

Due to the very large number of pixels, occasionally a few non-active pixels may appear on the screen as a fixed point of blue, green or red.

This is within product specifications and does not constitute a fault.

Precautions when transporting the TV

When moving the TV, it should always be carried by two people, using both hands, be careful not to apply pressure to the display.

Wall mounting

Installing the LCD Colour TV requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.

Introduction

Remote control unit

1 POWER

Press to turn the LCD TV on or enter standby mode.

2 (INPUT SOURCE)

Select an input source.

3 0-9 DIGIT BUTTONS

To select a TV channel directly.

4 EPG <Not available>

5 PRE PR

To display the previous selected TV channel.

6 HDMI

Press this button you could select HDMI, HDMI 1, HDMI 2.

7 YPbPr

Press this button you could select YPbPr.

8 VIDEO

Press this button you could select SCART, SCART1, SCART2, AV Side.

9 PC

Press to direct to the PC mode.

10 (+/-)

Press to adjust the volume.

11

Press to toggle audio on and off. You can also press  (+/-) to restore the previous volume level.

12

Change the aspect ratio; please refer to Picture format section.

13 P (\wedge/\vee)

Press to select the channel.

14 DUAL

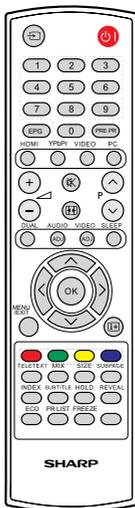
Select **MONO**, **STEREO**, **DUAL 1** and **DUAL 2** for ATV channel.

15 AUDIO (ADJ)

Press to set the LCD TV to a predefined sound setting.

16 VIDEO (ADJ)

Press to set the LCD TV to a predefined picture setting.



25 SIZE

Press this button to change the font size: Full screen, Top half and Bottom half.

26 SUBPAGE

To select the subpage when the current page contains subpage(s).

27 INDEX

Press this button to return to page 100 or the index page; and then press 0 to 9. The teletext page will be numbered and added to the page you select or the secondary item.

28 SUBTITLE

When the Teletext and subtitle function is activated, press this button to find the first subtitle page. Press **SUBTITLE** repeatedly to switch page in order.

29 HOLD

Press this button to stop the scrolling of pages. The text decoder stops receiving data.

30 REVEAL

Reveal hidden information such as answers to a quiz.

31 ECO

Press this button to set the picture with less brightness for saving energy.

32 PR LIST

Press to display a list of channels.

33 FREEZE

To freeze the picture on the screen. (Not available when your input sources are PC mode and HDMI with PC mode.)

17 SLEEP

Press to turn the LCD TV off within an amount of time. (5-180 minutes.)

18 $\wedge \vee < >$

Press $\wedge \vee < >$ to navigate and confirm your selection.

19 OK

Press to activate a setting.

20 MENU/EXIT

Press to activate the LCD TV OSD. Press again to exit the LCD TV OSD.

21

Display programme information, if available.

22 R/G/Y/B (COLOUR BUTTON)

Press buttons to select the pictures with various colours of text. Different channels display different functions.

23 TELETEXT

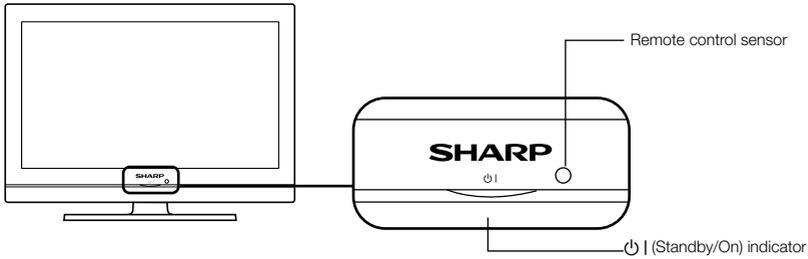
Press this button to activate Teletext. Press again to turn off Teletext.

24 MIX

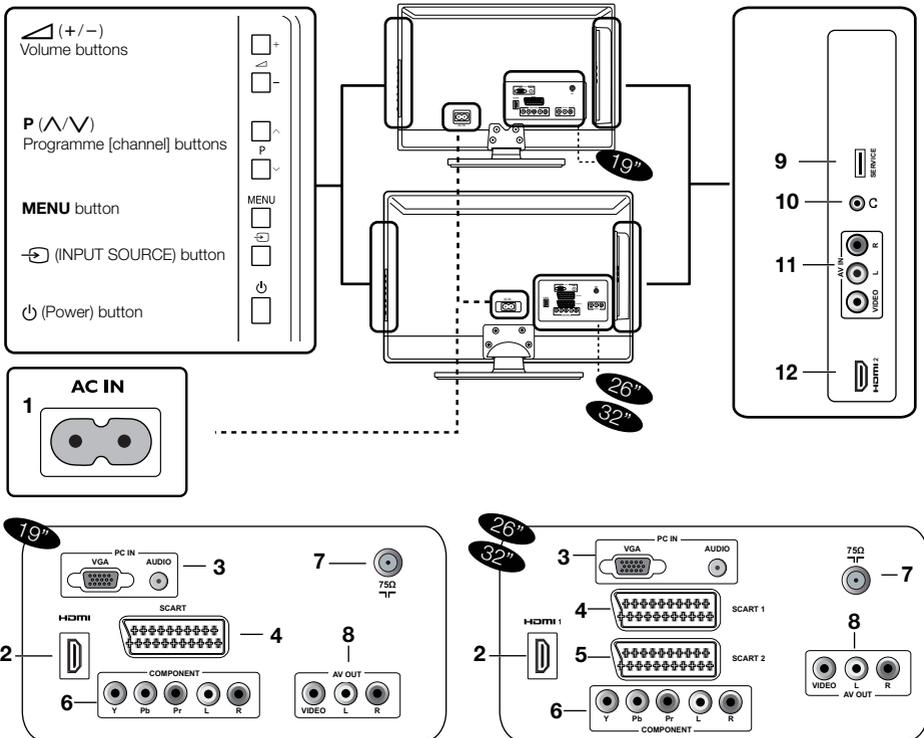
Press this button to activate Teletext with TV.

Introduction

TV (Front view)



TV (Rear view)



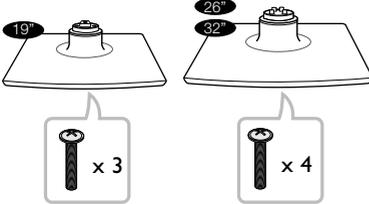
- 1 Power connector
- 2 HDMI /HDMI 1
- 3 PC IN (VGA/AUDIO)
- 4 SCART, SCART 1 (CVBS Tuner out)
- 5 SCART 2 (CVBS Monitor out)
- 6 Component (Video and L/R Audio input)
- 7 Tuner Input

- 8 AV VIDEO and L/R Audio Output
- 9 SERVICE socket
- 10 Earphone Output
- 11 Composite (AV IN, AV/LR)
- 12 HDMI 2 (For 26" and 32" only)

Preparation

Supplied accessories

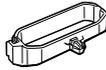
Stand unit and Screws



AC cord (x1)
Product shape varies in some countries



Cable clamp (x1)
Attached in the back of the TV.



Remote control unit (x1)
AAA battery (x2)



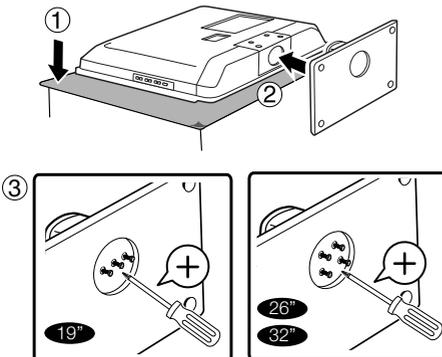
Operation manual



Quick Setup Guide



Mount the TV Stand



1. Put the TV face down on a safe surface that is covered by a soft and smooth cloth.
2. Adjust the TV stand to the bottom of the TV.
3. Fasten screws by using a cross-head screwdriver (Not supplied).

NOTE

- To detach the TV stand, perform the steps in reverse order.

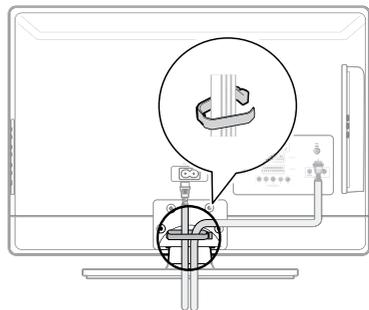
Wall mounting

TV screen size (Inches)	VESA-compatible wall bracket (millimeters) (W x H)	Screw type
19"	100 x 100 mm	Metric 4 x 10 mm
26"	200 x 100 mm	Metric 4 x 10 mm
32"	200 x 200 mm	Metric 6 x 10 mm

NOTE

- At the time of purchasing wall bracket, please check if there is enough space between the wall bracket and TV terminals for the terminal connection.

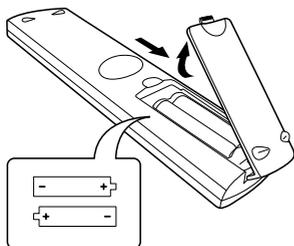
Bundling the cables



Preparation

Installation of batteries

1. Insert two AAA batteries into Remote control. Make sure (+) and (-) are facing the proper direction.
2. Replace the cover.



NOTE

- If the remote control will not be used for a long time, remove the batteries to avoid remote control damage.

CAUTION

Improper use of batteries can result in chemical leakage or explosion. Be sure to follow the instructions below.

- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they have worn out. Chemicals that leak from batteries can cause a rash. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not be using the remote control unit for an extended period of time, remove the batteries from it.

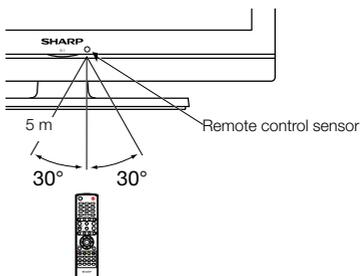
Note on disposing batteries:

The batteries provided contain no harmful materials such as cadmium, lead or mercury.

Regulations concerning used batteries stipulate that batteries may no longer be thrown out with the household rubbish. Deposit any used batteries free of charge into the designated collection containers set up at commercial businesses.

Using the remote control unit

Use the remote control unit by pointing it towards the remote control sensor. Objects between the remote control unit and sensor may prevent proper operation.

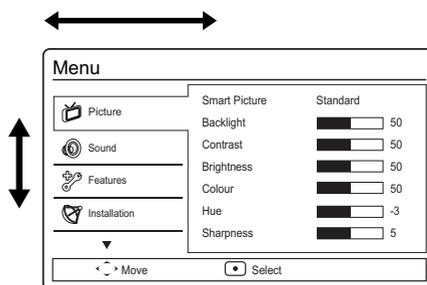


Display the Menu Screen

Press **MENU/EXIT** and the **MENU** screen displays.

Select an item by the remote control

1. Press $\wedge \vee < >$ to select the desired menu.
2. Press $< >$ to select / adjust the item to the desired level. The setting on screen is applied immediately.
3. Press $<$ to return to the previous layer.



Exit the Menu screen

The operation will exit the menu screen if you press **MENU/EXIT** before it is completed.

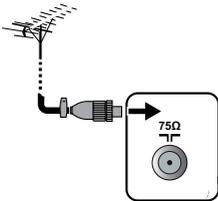
Quick guide

Initial installation overview

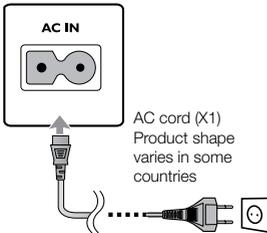
Follow the below steps one by one when using the TV for the first time. Some steps may not be necessary depending on your TV installation and connection.

1 Preparation

- 1 Connect antenna cable to the antenna terminal.

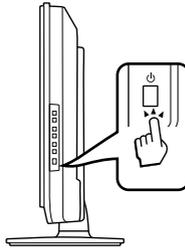


- 2 Connect the AC cord to the TV.



2 Power on and run the auto installation

- 1 Turn on the TV power with the power button.

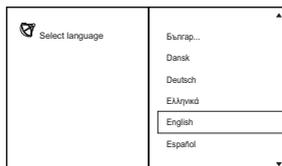


- 2 Run the initial auto installation.

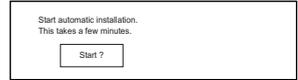
Country setting



Language setting

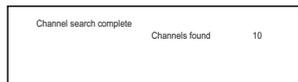


Start searching channels



3 Watch TV

- 1 Congratulations! Now you can watch TV.



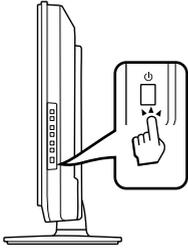
- 2 If necessary, adjust the antenna to attain maximum signal reception.

Watching TV

Daily operation

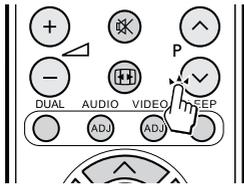
Turning on/off the power

Press  on the TV.
Switch it off by pressing  on the TV.



Changing channels

With P  /  P  :



Standby mode

● To standby mode

If the TV set is switched on, you can switch it to standby by pressing  on the remote control.

● Switching on from standby

From standby, press  on the remote control.



TV indicator status

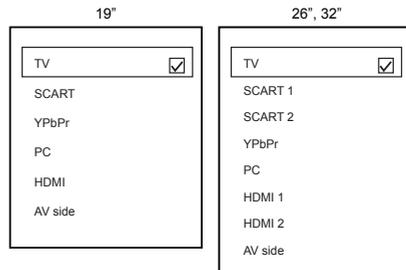
 indicator	Status
Off	Power off
Green	Power on
Red	Standby

NOTE

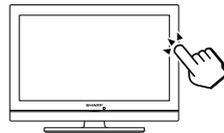
- If you are not going to use this TV for a long period of time, be sure to remove the AC cord from the power outlet.
- A small amount of electric power is still consumed even when  is turned off.

Selecting external video source

Once the connection is made, press  to display the INPUT SOURCE screen, and then press  /  to switch over to the appropriate external source with **OK**.



Operation without a remote control



This function is useful when there is no remote control within your reach.

1. Press **MENU** briefly to display the direct control screen.
2. Press **P**  instead of  or  instead of  /  to select the item.
3. Press **MENU** to confirm the selection.

NOTE

- The direct control menu screen will disappear if left unattended for several seconds.

Watching TV

Teletext

What is Teletext?

Teletext broadcasts pages of information and entertainment to specially equipped television sets. Your TV receives Teletext signals broadcast by a TV network, and decodes them into graphical format for viewing. News, weather and sports information, stock exchange prices and programme previews are among the many services available.

Turning on and off Teletext

1. Select a TV channel or external source providing a Teletext programme.
2. Press **Teletext** to display Teletext.
 - Many stations use the TOP operating system, while some use FLOF (e.g. CNN). Your TV supports both these systems. The pages are divided into topic groups and topics. After switching on the teletext, up to 1000 pages are stored for fast access.

NOTE

- Teletext will not work if the selected signal type is RGB.

Buttons for teletext operations

Buttons	Description
P (^/√)	Increase or decrease the page number.
Colour (R/G/Y/B)	Select a group or block of pages displayed in the coloured brackets at the bottom of the screen by pressing the corresponding Colour (R/G/Y/B) on the remote control unit.
0 - 9	Directly select any page from 100 to 899 by using 0 - 9 .
MIX	Press this button to activate Teletext with TV.
SIZE	Switch the Teletext image to Top, Bottom or Full.
INDEX	Press this button to return to page 100 or index page.
HOLD	Stop updating Teletext pages automatically or release the hold mode.
REVEAL	Reveal or hide hidden information such as an answer to a quiz.

Buttons	Description
SUBPAGE	Select the subpage when the current page contains subpage(s). Press SUBPAGE buttons on the remote control to switch the subpage directly. NOTE <ul style="list-style-type: none">• Press P (^/√) to exit the subpage.

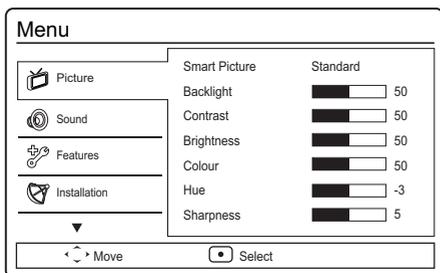
TV menu

Picture

Use smart picture

1. Press **VIDEO (ADJ.)**.
↳The **Smart picture** menu appears.
2. Press $\wedge \vee$ to select one of the following smart picture settings.
 - **Personal**
 - **Vivid**
 - **Standard**
 - **Movie**
 - **Game**
 - **Eco**
3. Press **OK** to confirm your choice.
The selected smart picture setting is applied.

Adjust picture settings



1. Press **MENU**.
2. Press **OK** to select **Picture**.
↳The **Picture** menu appears.
3. Press $\wedge \vee < >$ to select one of the following picture settings.
 - **Smart picture:** Accesses pre-defined smart picture settings.
 - **Backlight:** Adjusts the backlight brighter or darker.
 - **Contrast:** Changes the level of bright parts in the picture keeping the dark parts unchanged.
 - **Brightness:** Changes the level of light in the picture.
 - **Colour:** Changes the level of saturation.
 - **Hue:** Compensates colour variations in NTSC encoded transmissions.
 - **Sharpness:** Changes the level of sharpness of fine details.

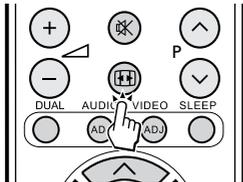
- **Noise reduction:** Filters and reduces the noise in the picture.
- **Colour temperature:** Sets the colour temperature to Cool (bluer), Normal (balanced), Warm (redder).
- **Adv. picture:** Digitally adjusts picture quality to optimal contrast, colour and sharpness.
 - Dynamic contrast:** Automatically enhances contrast in an image. **Medium** setting is recommended.
 - Dynamic backlight:** Adjusts the brightness of the TV backlight to match lighting conditions.
 - MPEG artifact re.:** Smooths out transitions on digital pictures. You can switch this feature on or off.
 - Colour enhancement:** Makes colours more vivid and improves the resolution of details in bright colours. You can switch this feature on or off.
- **PC mode:** Adjusts the picture when a PC is connected to the TV via HDMI/DVI.
- **Picture format:** Changes the picture format.
- **Horizontal shift:** Adjusts the picture horizontally for PC-VGA or YPbPr.
- **Vertical shift:** Adjusts the picture vertically for PC-VGA or YPbPr.

TV menu

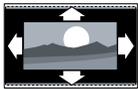
Change picture format

Change the picture format to suit your content.

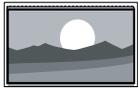
1. Press **(+)** on your remote control. Alternatively, press **MENU** and select **Picture > Picture format**.



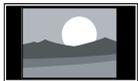
2. Press **^** **v** to select one of the following picture formats:



Auto format: Enlarges the picture automatically to best fit the screen. The subtitles remain visible. (Only for TV, AV side, and SCART.)



Super zoom: Removes the black bars on the side of 4:3 broadcasts. There is minimal distortion. (Not for PC mode and 1080i/p.)



4:3: Displays the classic 4:3 format.



Subtitle zoom: Displays 4:3 pictures over the full area of the screen, with sub-titles visible. Part of the top of the picture is clipped off. (Not for PC mode and 1080i/p.)



Movie exp.14:9: Scales 4:3 format to 14:9. (Not for PC mode and 1080i/p.)



Movie exp.16:9: Scales 4:3 format to 16:9. (Not for PC mode and 1080i/p.)



Wide screen: Stretches the classic 4:3 format to 16:9.



Unscaled: Allows maximum sharpness. Some distortion may be present due to the broadcaster's systems. Set your PC resolution to wide screen mode for best results. (Only for PC mode and 1080i/p.)

When source input is PC mode, only 4:3, Wide screen and Unscaled are available.

TV menu

Sound

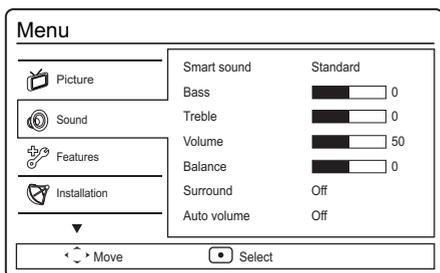
Use smart sound

Use smart sound to apply pre-defined sound settings.

1. Press **AUDIO (ADJ.)**.
↳The **Smart sound** menu appears.
2. Press $\wedge \vee$ to select one of the following smart sound settings.
 - **Standard:** Adjusts sound settings to suit standard environments and types of audio.
 - **News:** Adjusts sound settings to ideally suit spoken audio, such as the news.
 - **Movie:** Adjusts sound settings to ideally suit movies.
 - **Personal:** Applies the settings that were customised in the sound settings.
3. Press **OK** to confirm your choice.
The selected smart sound setting is applied.

Adjust sound settings

1. Press **MENU**.
2. Press $\wedge \vee < >$ to select **Sound**.
↳The **Sound** menu appears.



3. Press $\wedge \vee < >$ to select one of the following sound settings.
 - **Smart sound:** Accesses pre-defined smart sound settings.
 - **Bass:** Adjusts the bass value to fit your best.
 - **Treble:** Adjusts the treble value to fit your best listening.
 - **Volume:** Adjusts the volume.
 - **Balance:** Sets the balance of the left and right speakers to best fit your listening.
 - **Dual I-II:** Selects between audio languages if dual sound is broadcast.

- **Mono/Stereo:** Selects between mono or stereo if stereo is broadcast.
- **Surround:** Enables spatial sound.
- **Auto volume:** Automatically reduces sudden volume changes, for example, when switching channels. When enabled, this produces a more consistent audio volume.
- **Delta volume:** Levels out volume differences between channels or connected devices.
Switch to the connected device before you change the delta volume.

Features

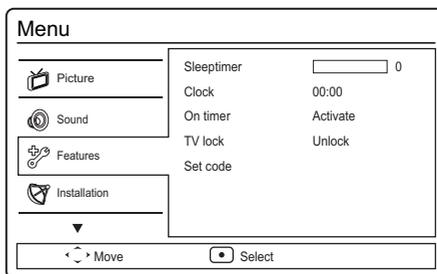
Set the TV clock

You can display a clock on the TV screen

1. Press **MENU**.
2. Select **Features > Clock**
↳The **Clock** menu appears.
3. Press $\wedge \vee < >$ or **Numeric buttons** to enter time.
4. Press **Done** to confirm.
5. Press **MENU** to exit.

User timers

You can set timers to switch the TV on or switch to standby at a specified time.



TV menu

Automatically switch the TV to standby (Sleeptimer)

Sleeptimer switches the TV to standby after a defined period of time.

1. Press **MENU**.
2. Select **Feature> Sleeptimer**.
↳The **Sleeptimer** menu appears.
3. Press < > to set the sleep time.
The Sleeptimer can be up to 180 minutes in steps of five minutes. If set to zero minutes, the Sleeptimer is switched off.
4. Press **OK** to activate the Sleeptimer.
The TV switches to standby after the pre-defined period of time.

NOTE

- You can always switch off your TV earlier or reset Sleeptimer during the countdown.
- When you press any button on the remote control with less than one minute left in the countdown, Sleeptimer will be automatically canceled.

Automatically switch the TV on (On timer)

On timer switches the TV to a specified channel at a specified time from standby.

1. Press **MENU**.
2. Select **Features > On timer**.
3. Press > to enter the **On timer** menu.
4. Press $\wedge \vee < >$ to select **Activate** and set a frequency Daily, Once, or Off .
5. Press **OK** to confirm.
6. Press $\wedge \vee < >$ to select Time and set the starting time.
7. Press **Done** to confirm.
8. Press $\wedge \vee < >$ to select **Programme no.** and external source to set the channel.
9. Press **OK** to confirm.
10. Press **MENU** to exit.

NOTE

- Select **On timer > Activate > Off** to disable **On timer**.
- When **On timer** is **Off**, only **Activate** can be selected
- Set the **TV clock** before activating **On timer** feature.

Use TV lock

You can prevent your children from watching certain programmes or certain channels by locking the TV controls.

Set / change code

1. Press **MENU**.
2. Press $\wedge \vee < >$ to select **Features > Set code**.
3. Press > to enter the **code** setup.
4. Enter your code using the **Numeric buttons**.
5. Re-enter the same code in the new dialogue box for confirmation.
If the code is set successfully, the dialogue box will disappear. However, if the code cannot be set, a new dialogue box will prompt you to re-enter the code.
6. If you want to change the code, select **Features > Change code**
7. Enter your current code using the **Numeric buttons**.
If the code is validated, a new dialogue box will prompt you to enter your new code.
8. Enter the new code using the **Numeric buttons**.
A message appears prompting you to enter the new code again for confirmation.

NOTE

- If you forget your code, enter '8888' to override any existing codes.

Lock or unlock all channels and connected devices.

1. Press **MENU**.
2. Press $\wedge \vee < >$ to select **Features > TV lock**
3. Press > to enter the **TV Lock**
↳A screen appears prompting you to enter a code.
4. Enter your code using **Numeric buttons**.
5. Press $\wedge \vee$ to select **Lock** or **Unlock**.
6. Press **OK**.
All channels and connected devices are locked or unlocked.
7. Press **MENU** to exit.

TV menu

NOTE

- If you select **Lock**, you have to enter your code every time you turn on your TV.
- Once you set the code, step 3 and 4 won't appear before turn off the TV.

Lock or unlock one or more channels

1. When watching TV, press **PR LIST** to display the channel list.
2. Press **^ v < >** to select a channel to lock or unlock.
3. Press **>**
4. Press **^ v** to select **Lock channel/Unlock channel**.
5. For each selection, press **OK** to lock or unlock the channel.

TV menu

Installation

Install channels

The first time you set up your TV, you are prompted to select a menu language and to install TV.

This chapter provides instructions on how to reinstall and fine tune channels.

Automatically install channels

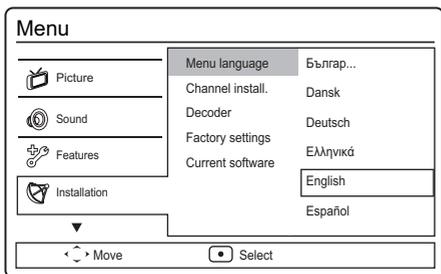
This section describes how to search and store channels automatically.

Step 1 Select your menu language

NOTE

- skip this step if your language settings are correct.

1. Press **MENU**.
2. Select **Installation > Menu language**.
3. Press **^ v** to select a language setting.

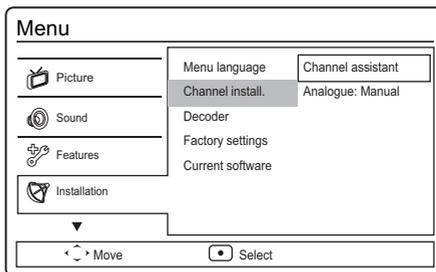


4. Press **OK** to confirm.
5. Press **MENU** to exit.

Step 2 Install Channels

Select your country for proper channel installation.

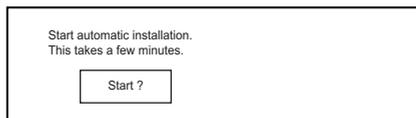
1. Press **MENU**.
2. Select **Installation > Channel install. > Channel assistant**.



3. Press **< >** to select **Start** or **Cancel**.
4. Press **OK** to confirm your choice.
5. Press **^ v** to select your country.



6. Press **>** to next step.
7. Select **Start** and press **OK** to re-install channels.



8. If you want to stop searching, select **Stop** and Press **OK**.
↳ A dialogue box appears asking you if you really want to **Stop** or **Continue** with the process.
9. Press **< >** to select **Stop** or **Continue**.
10. Press **OK** to confirm your choice.
11. When done, press **MENU** to exit.

TV menu

Manually install channels

This section describes how to search and store analogue TV channels manually.

1. Press **MENU**.
2. Select **Installation > Channel install. > Analogue: Manual**
↳The **Analogue: Manual** menu appears.
3. Press $\wedge \vee$ to select the item you want to adjust.
 - **System**
 - **Search**
 - **Fine-tune**
 - **Store cur. chan.**
 - **Store new channel**
 - **Skip channel**

Step 1 Select your system

NOTE

- Skip this step if your system settings are correct.

1. Press **MENU**.
2. Select **Installation > Channel install. > Analogue: Manual**
↳The **Analogue: Manual** menu appears.
3. Press $\wedge \vee < >$ to select and enter **System**.
4. Press $\wedge \vee$ to select your country or region.
5. Press **OK** to confirm.
6. Press **MENU** to exit.

Step 2 Search and store new TV channels

1. Press **MENU**.
2. Select **Installation > Channel install. > Analogue: Manual**
↳The **Analogue: Manual** menu appears.
3. Press $\wedge \vee < >$ to select and enter **Search**.
4. Press $\wedge \vee$ or use **Numeric buttons** to manually enter the three digit frequency.
5. Press **OK** to begin search.
6. Press **<** when the new channel is found.
7. Press $\wedge \vee$ to select **Store new channel** under a new channel number.
8. Press **>** to enter **Store new channel**.
9. Press **< >** to select **Yes** and press **OK** to store the new channel.
10. Press **MENU** to exit.

Fine tune analogue channels

You can manually fine tune analogue channels when reception is poor.

1. Press **MENU**.
2. Select **Installation > Channel install. > Analogue: Manual**
↳The **Analogue: Manual** menu appears.
3. Press $\wedge \vee < >$ to select and enter **Fine-tune**.
4. Press $\wedge \vee$ to adjust frequency.
5. Press **OK** when done.
6. Press $\wedge \vee$ to select **Store cur. chan.** to store channel number.
7. Press **>** to enter **Store cur.chan..**
8. Press **< >** to select **Yes** and press **OK** to store the current channel.
9. Press **MENU** to exit.

Skip channels

1. Press **MENU**.
2. Select **Installation > Channel install. > Analogue: Manual**
↳The **Analogue: Manual** menu appears.
3. Press $\wedge \vee$ to select and enter **Skip channel**.
4. Press **< >** to select **Yes** and press **OK** to skip the channel you are currently watching.
↳The selected channel is skipped when you press **P +/-** on your remote control or view the channel list.
5. Press **MENU** to exit.

NOTE

- You can restore a skipped channel to your channel listing (see 'Step 2 Search and store new TV channels').

Rename channels

Channels can be renamed so that a name of your choice appears whenever the channel is selected.

1. When watching TV, press **PR LIST** to display the channel list.
2. Select the channel you want to rename.
3. Press **>**.
↳The channel options menu appears.
4. Press $\wedge \vee < >$ to select and enter **Rename chan..**
↳A text input box appears.
5. Press $\wedge \vee < >$ to select characters.

TV menu

- Press **OK** to confirm each of the characters.

NOTE

- Rename channels- the length of the name is limited to six characters.
- Use **Aa** to change upper-case letter to lower-case letter and vice versa..

Rearrange channels

After you install channels, you can rearrange the order in which they appear.

- When watching TV, press **PR LIST** to display the channel list.
- Press **>**.
↳The channel options menu appears.
- Press **^ v < >** to select and enter **Reorder**.
- Press **^ v < >** to select the new position.
- Press **OK** to confirm the new position.
- Press **>**.
↳**Done reordering** appears.
- Press **OK** to finish reordering.

Access decoder channel

You can map channels provided through a decoder or descrambler to your TV channel selection. In this way, you can select these channels by using the RC of your TV. The decoder or a descrambler must be connected to SCART1 or SCART2.

Set decoder channel

Map channels from a decoder or descrambler

- Press **MENU**.
- Select **Installation > Decoder**
- Press **>** to enter **Channel**.
- Press **^ v** to select channel number to map to the decoder/descrambler channel.
- Press **OK**.
- Press **^ v >** to select and enter **Status**.
- Press **^ v** to select the connector used by the decoder/descrambler (**None**, **SCART1** or **SCART2**).
- Press **OK**.
- Press **MENU** to exit.

NOTE

- Select **None** if you do not want to map to the decoder/descrambler channel.
- SCART2** is available only in TVs of 26 inches and larger.

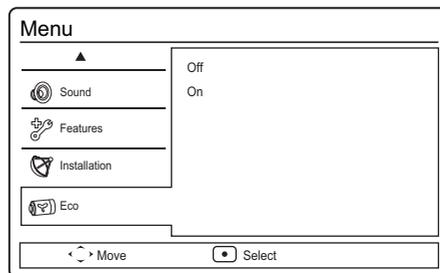
Reset the TV to factory settings

You can restore the default picture and sound settings of your TV. Channel installation settings remain the same.

- Press **MENU**.
- Select **Installation > Factory settings**.
- Reset** is highlighted.
- Press **OK** to reset to factory settings.
- Press **MENU** to exit.

Eco

This function enables you to automatically reduce the backlight brightness in order to decrease the power consumption and increase the backlight life span.



Connecting external devices

● Before connecting ...

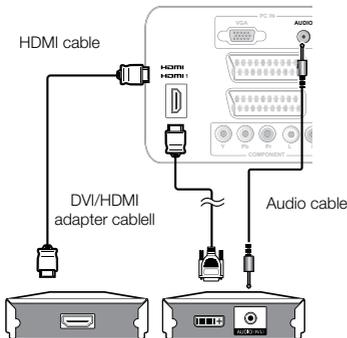
- Be sure to turn off the TV and any devices before making any connections.
- Firmly connect a cable to a terminal or terminals.
- Carefully read the operation manual of each external device for possible connection types. This also helps you get the best possible audiovisual quality to maximise the potential of the TV and the connected device.

HDMI connection

Example of connectable devices

- DVD
- Blu-ray player/recorder

The HDMI connections (High Definition Multimedia Interface) permit digital video and audio transmission via a connection cable from a player/recorder. The digital picture and sound data are transmitted without data compression and therefore lose none of their quality. Analogue/digital conversion is no longer necessary in the connected devices, which also would result in quality losses.



DVI/HDMI conversion

Using an DVI/HDMI adapter cable, the digital video signals of a DVD can also be played via the compatible HDMI connection. The sound must be fed in additionally.

Both HDMI and DVI use the same HDCP copy protection method.

Supported video signal:

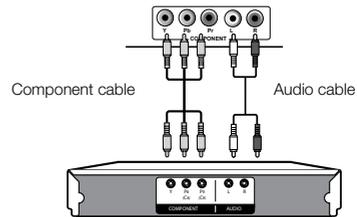
576i, 576p, 480i, 480p, 1080i, 720p, 1080p
See page 20 for PC signal compatibility.

(YPbPr) Component connection

Example of connectable devices

- VCR
- DVD
- Blu-ray player/recorder

You will enjoy accurate colour reproduction and high quality images through the (YPbPr) when connecting a DVD recorder or other recording equipment.

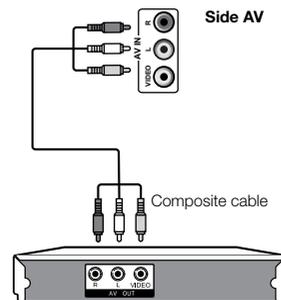


AV IN connection

Example of connectable devices

- VCR
- DVD
- Blu-ray player/recorder
- Game console
- Camcorder

You can use the AV IN when connecting to a game console, camcorder, a DVD recorder and some other equipment.



Connecting external devices

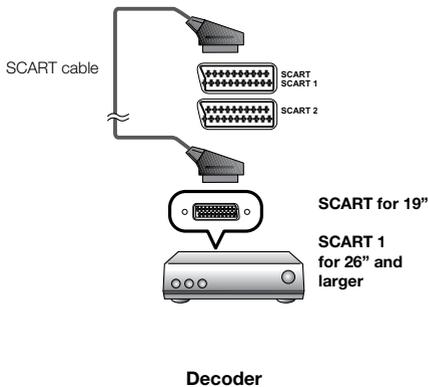
SCART connection

Example of connectable devices

- Decoder

● When using the SCART 1

Full SCART, which transmits RGB, and CVBS in, and CVBS tuner out.

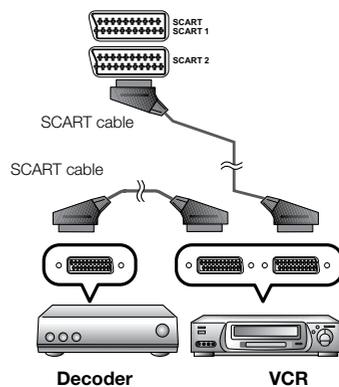


Example of connectable devices

- VCR ● DVD recorder

● When using the SCART 2

Half SCART, which transmits CVBS in, and CVBS monitor out.

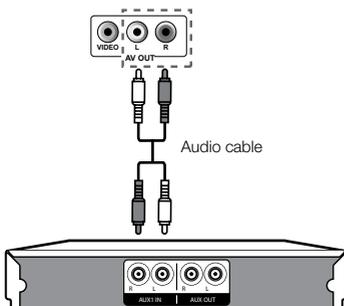


NOTE

- In cases when the decoder needs to receive a signal from the TV, make sure to select the appropriate input source.
- Do not connect the decoder to the SCART 2.
- You cannot connect the VCR with Decoder using a fully wired SCART cable under the SCART 2 source.

Speaker/ amplifier connection

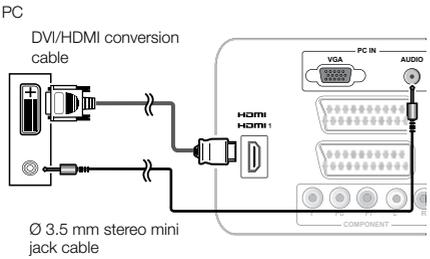
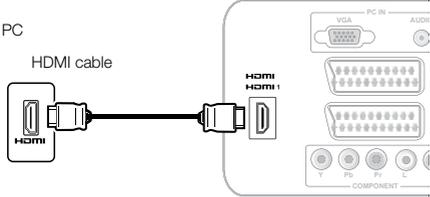
● Connecting an amplifier with analogue audio input



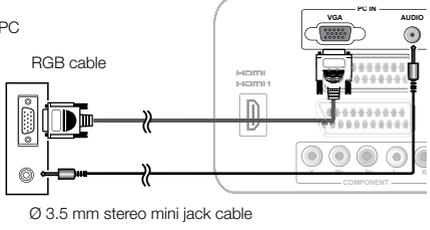
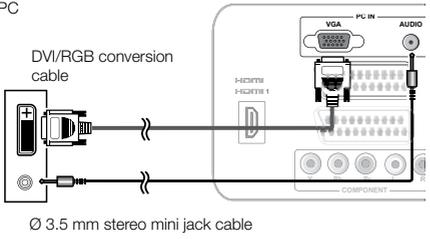
Connecting external devices

Connecting a PC

HDMI Connection



Analogue Connection



Supported display resolutions

Computer formats (PC)

Resolution	Refresh rate
640 x 480	60Hz
800 x 600	60Hz, 72Hz, 75Hz
1024 x 768	60Hz
1280 x 720	60Hz
1280 x 768	60Hz
1360 x 768	60Hz

Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50Hz, 60Hz
1080i	50Hz, 60Hz
1080p	(HDMI, Component only) 50Hz, 60Hz, 24Hz

Appendix

Troubleshooting

Problem	Possible Solution
No picture	<ol style="list-style-type: none"> 1. Connect power cord correctly. 2. Turn on power. 3. Connect signal cable correctly. 4. Press any button on the LCD TV.
Abnormal colours	Connect signal cable correctly.
Twisted picture	<ol style="list-style-type: none"> 1. Connect signal cable correctly. 2. Please use compatible signal.
Picture too dark	Adjust brightness and contrast.
Audio only, no images	<ol style="list-style-type: none"> 1. Please check if input signal is connected correctly. 2. TV-RF signal must not be lower than 50dB.
Picture only, no audio	<ol style="list-style-type: none"> 1. Connect signal cable correctly. 2. Adjust volume to proper level. 3. Connect audio signal cable correctly. 4. TV-RF signal must not be lower than 50dB.
Cannot use remote control	<ol style="list-style-type: none"> 1. Please change battery. 2. Turn off power for 10 seconds; and then restart power.
Cannot receive sufficient channels through antenna	Please use the Channel scan function to increase the number of channels not included in memory.
No colours	Please adjust the colour setup.
Blinking picture accompanied by ghost image	<ol style="list-style-type: none"> 1. Check the connection of antenna/signal cable. 2. Check if channel is in play mode. 3. Press signal source and change input mode.
Broken lines or segments	Adjust antenna. Keep the TV away from noise sources, such as automobiles, neon lights, and hair dryers.
Certain TV channels are blocked (Hope to acquire some channels)	Please use the Update scan method to add the channels not included in memory.
Overlapping images or ghost images	Please use multi-directional outdoor antenna. (If your TV is subject to the influence of nearby mountains or buildings).
Cannot use a function	If the item you choose turns gray, that item cannot be selected.
Cannot receive programmes	Please use the Update scan method to add the channels not included in memory.

Appendix

Specification

Item		19" LCD COLOUR TV, Model: LC-19S7E,	26" LCD COLOUR TV, Model: LC-26S7E	32" LCD COLOUR TV, Model: LC-32S7E
LCD screen size		19" diagonal	26" diagonal	32" diagonal
Number of dots		3,147,264 dots (1366 × 768 × 3 dots)	3,147,264 dots (1366 × 768 × 3 dots)	3,147,264 dots (1366 × 768 × 3 dots)
Video Colour System		PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60		
TV Function	TV-Standard	Analogue CCIR (B/G, I, D/K, L/L')		
	Receiving Channel	VHF/UHF	ATV : IRA-E69	
		CATV	S-band, S1-S41ch	
	TV-Tuning System	Auto Preset 100 ch, Auto Label, Auto Sort		
STEREO/BILINGUAL		NICAM/A2		
Viewing angles		H : 170° V : 160°	H : 160° V : 150°	H : 176° V : 176°
Audio amplifier		3W × 2	5W × 2	5W × 2
Speaker		(128.8 mm × 40.2 mm) × 2	(164.5 mm × 42 mm) × 2	(164.5 mm × 42 mm) × 2
Rear	Antenna	UHF/VHF 75 Ω		
	SCART, SCART 1	SCART (AV input, RGB input, TV output-analogue only)		
	SCART 2	SCART (AV input, monitor output (analogue source - RF, SCART 1, SIDE AV)		
	PC IN	D-sub 15 pin (AV input), Ø 3.5mm jack (Audio input)		
	Component	Y/Pb(Cb)/Pr(Cr), RCA pin (L/R)		
	AV OUT	RCA pin (AV output)		
	HDMI / HDMI 1			
Side	HDMI 2	For 26" and larger		
	AV IN	RCA pin (AV input)		
	Headphones	Ø 3.5mm jack (Audio output)		
	Service	Service socket		
OSD language	Bulgarian, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese, Romanian, Russian, Serbian, Slovak, Slovene, Spanish, Swedish, Turkish, Latvian, Lithuanian, Ukrainian, Estonian, Gaelic			
Power Requirement	AC 220-240 V, 50 Hz			
Power Consumption	45W (Standby<0.3W) (Method IEC62087)	55W (Standby<0.3W) (Method IEC62087)	135W (Standby<0.3W) (Method IEC62087)	
Weight	3.8 kg (Without stand), 4.0 kg (With stand)	7.3 kg (Without stand), 8.4 kg (With stand)	11.0 kg (Without stand), 12.4 kg (With stand)	
Operating temperature	0°C to +40°C			

- As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

NOTE

- Refer to the inside back cover for dimensional drawings.
- Audio cannot be output through the HDMI terminal.

Environmental specification

Item		19"	26"	32"
★1 On-Mode (W)	Vivid	38 W	52 W	115 W

Appendix

Item		19"	26"	32"
*2 Energy-Save-Mode (W)	Eco > On	25 W	33 W	82 W
*3 Standby-Mode (W)		0.3 W	0.3 W	0.3 W
*4 Off Mode (W)	Power button	0.29 W	0.29 W	0.29 W
*5 Annual Energy Consumption (kWh)		55.5 kWh	75.9 kWh	167.9 kWh
*6 Annual Energy Consumption (kWh) (Energy-Save-Mode)	Eco > On	36.5 kWh	48.2 kWh	119.7 kWh

*1 Measured according to IEC 62087 Ed. 2

*2 For further information about the Energy Save function, please see related pages in this operation manual

*3 Measured according to IEC 62301 Ed. 1

*4 Measured according to IEC 62301 Ed. 1

*5 Annual energy consumption is calculated on the basis of the On-Mode (Vivid) power consumption, watching TV 4 hours a day, 365 days a year

*6 Annual energy consumption is calculated on the basis of the Energy-Save-Mode power consumption, watching TV 4 hours a day, 365 days a year

NOTE

- The power consumption of On-Mode varies depending on the images the TV displays.

Other information

Cautions regarding use in high and low temperature environments

- When the unit is used in a low temperature space (e.g. room, office), the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
- Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the LCD panel to malfunction.
- Storage temperature: +5°C to +35°C.

Information on the software license for this product

Software composition

The software included in this product is comprised of various software components whose individual copyrights are held by SHARP or by third parties.

Software developed by SHARP and open source software

The copyrights for the software components and various relevant documents included with this product that were developed or written by SHARP are owned by SHARP and are protected by the Copyright Act, international treaties, and other relevant laws. This product also makes use of freely distributed software and software components whose copyrights are held by third parties. These include software components covered by a GNU General Public License (hereafter GPL), a GNU Lesser General Public License (hereafter LGPL) or other license agreement.

Acknowledgements

The following open source software components are included in this product:

- linux kernel
- modutils
- glibc
- zlib
- libpng

Trademarks

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

- The "HD ready" Logo is a trademark of EICTA.



Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

A. Information on Disposal for Users (private households)

1. In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your old product free of charge if you purchase a similar new one.

*) Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.

B. Information on Disposal for Business Users

1. In the European Union

If the product is used for business purposes and you want to discard it:

Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain: Please contact the established collection system or your local authority for take-back of your used products.

2. In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.



For EU: The crossed-out wheeled bin implies that used batteries should not be put to the general household waste! There is a separate collection system for used batteries, to allow proper treatment and recycling in accordance with legislation.

Please contact your local authority for details on the collection and recycling schemes.

For Switzerland: The used battery is to be returned to the selling point.

For other non-EU countries: Please contact your local authority for correct method of disposal of the used battery.