


TABLE OF CONTENTS

IMPORTANT INFORMATION	2
Safety.....	2
LCD panel.....	2
Care.....	3
SWITCHING ON	4
OPERATING INSTRUCTION.....	6
Remote control.....	6
Teletext.....	7
Menus	8
Main menu.....	8
Picture adjustment.....	8
Sound adjustment.....	9
Channels search.....	10
Preferences	12
PC mode	13
Controls	15
Connections	15
AV sockets	16
Headphone socket	18
PC IN socket	18
BEFORE CALLING SERVICE.....	19

This manual applies to several TV set models. Some features may not be available on the model you purchased.

Optional functions are indicated by the following symbol: 

Thank you very much for choosing the LCD TV.

We recommend that you take a few minutes to read carefully through this manual before installing and switching on the TV. Please keep this manual in a safe place for your future reference.

IMPORTANT INFORMATION

Safety

Ensure that your domestic mains supply voltage matches the voltage indicated on the identification sticker located at the back of your set.

The TV set's components are sensitive to heat. The **maximum ambient temperature** should not exceed **35° Celsius**. Do not cover the vents at the back or sides of the TV set. Leave sufficient space around it to allow adequate ventilation. Install the appliance away from any source of heat (fireplace, ...) or appliances creating strong magnetic or electric fields.

Moisture in rooms where the set is installed should not exceed **85%** humidity. If you have to use the TV set outdoors, **do not expose it to rain or splashing water**. Moving the set from a cold place to a warm one can cause condensation on the screen (and on some components inside the TV set). Let the condensation evaporate before switching the TV set on again.

If you intend to be **away for a long period**, unplug the mains plug. Even when off, some components remain in contact with the mains electricity supply. To completely isolate the set you must remove the plug from the mains supply socket.

During **thunderstorms**, we recommend that you disconnect the TV set from the mains and aerial so that it is not affected by electrical or electromagnetic surges that could damage it. For this reason, keep the **mains and aerial sockets** accessible so they can be **disconnected**, if necessary.

Unplug the TV set immediately if you notice it giving off a **smell of burning** or **smoke**. You must never, under any circumstances, open the TV set yourself, as you run the risk of an **electric shock** in doing so.

LCD panel

The LCD panel used in this product is made of glass. Therefore, it can break when the product is dropped or impacted upon by other objects.

The LCD panel is a very high technology product, giving you finely detailed pictures. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red. This does not affect the performance of your product.

In order to ensure long performance of your set and reduce the risk of screen burning, please observe the following precautions.

- Do not display still images (still computer and video game images, logos, pictures, text and images displayed in 4:3) for extended periods of time;
- Use a screen saver when using a computer;

Care


Use a glass-cleaning product to clean the screen and a soft cloth and mild detergent to clean the rest of the set.

Important: Using strong detergents, alcohol-based and abrasive products may damage the screen.

Dust the vents at the back and sides regularly. Using solvents, abrasive or alcohol-based products could damage the TV set.

Never open the appliance yourself since this may put you at risk or damage the appliance.

End of life directives

	<p>This symbol means that your inoperative electronic appliance must be collected separately and not mixed with the household waste. The European Union has implemented a specific collection and recycling system for which producers' are responsible.</p> <p>This appliance has been designed and manufactured with high quality materials and components that can be recycled and reused. Electrical and electronic appliances are liable to contain parts that are necessary in order for the system to work properly but which can become a health and environmental hazard if they are not handled or disposed of in the proper way. Consequently, please do not throw out your inoperative appliance with the household waste.</p> <p>If you are the owner of the appliance, you must deposit it at the appropriate local collection point or leave it with the vendor when buying a new appliance.</p> <ul style="list-style-type: none">- If you are a professional user, please follow your supplier's instructions.- If the appliance is rented to you or left in your care, please contact your service provider. <p>Help us protect the environment in which we live !</p>
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Before setting up your television set, make sure that the surface you want to put the set on can support its weight

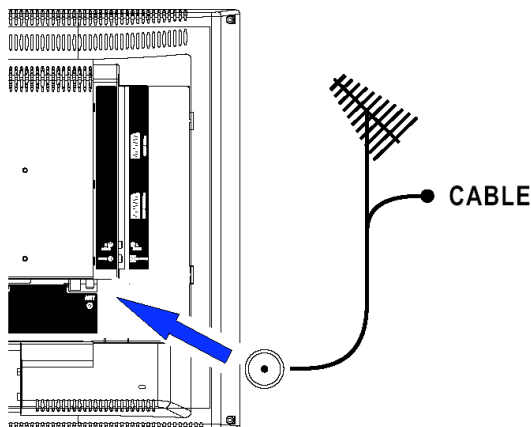
Don't place the set on an unstable surface (e.g. moving shelf, very edge of a unit) and make sure that the front of the television set does not overhang the surface it is sitting on.

THOMSON disclaims any liability if the TV set is not used in accordance with this manual.

SWITCHING ON

Follow the instructions on this page on how to switch on your TV set and the remote control before going on to following pages describing how to use the remote control and the channel set-up procedure.

1. **Place the TV on a solid surface.**
2. **Insert the aerial plug** firmly into the aerial socket **ANT** at the back of the TV.

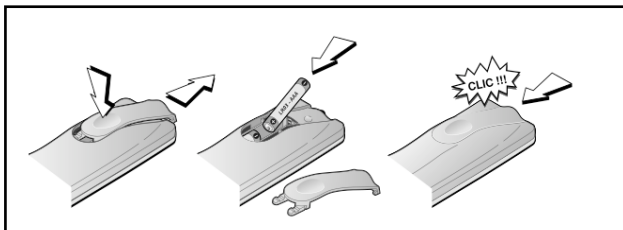


The aerial socket (75 Ohms - VHF / UHF / cable) can be used for connecting an external aerial or other equipment fitted with a modulator (video recorder, satellite receiver, etc.).

We recommend that you do not connect other equipment (video recorder, satellite receiver, etc.) to your TV set to begin with, so as not to complicate the set-up procedure with the additional steps involved. Connect them when you have finished setting up the channels by referring to page 15 of this manual.

3. Remote control:

Remove the cover of the battery compartment.
Insert the 2 batteries supplied (Type AAA 1.5V).



Please respect the environment and the relevant regulations. Before you dispose of batteries (or accumulators), ask your dealer whether they require special recycling and if he is able to take them back.

Precautions on using batteries:

- Only use the battery types specified.
- Make sure you use the correct polarity.
- Do not mix new and used batteries.
- Do not use rechargeable batteries.
- Do not expose batteries to excessive heat, throw them in a fire, recharge them or try to open them, as this could cause them to leak or explode.
- Remove the batteries from the remote control if you are not using it for a long period of time (several weeks).

4. Power :

Connect the female plug of the power cord to **AC IN** power input at the back of the set.

Then connect the male plug of the power cord to the wall outlet

Your TV set should only be connected to a 100 - 240 V ~ 50 / 60 Hz AC supply.

It must not be connected to a DC supply. If the plug is damaged, do not, under any circumstances, connect it to a mains socket, as there is a risk of electric shock.

5. Turn the TV on:

Press the On/standby button at the topside or on the front of the TV to turn it on, the indicator in front turns green.

When TV set is in stand-by mode, the indicator in front of the TV illuminates amber.

MORE INFO

RC 311TR1 operate most DVD players and recent video recorders made by Thomson, Saba, Brandt, Ferguson and Telefunken (refer to page 6).

OPERATING INSTRUCTION

Remote Control



Press this key to turn on or on stand-by the TV set.

PR

Press + or - to scroll through the channels.



Press + or - to increase or decrease the volume.



Press this key to adjust the automatic shut-off time (from 0 to 120 minutes). Each key press increase this time 30 minutes. The timer begins to count down from the number of minutes selected after the display has disappeared.



Press this key to swap main picture and small picture when PIP is working.

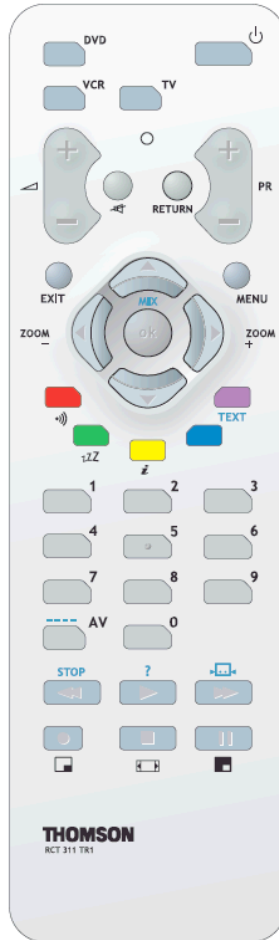


Press this key to display PIP screen (only in PC mode).



Press this key to adjust PIP size when PIP is working.

Teletext function and buttons will describe on next page.



Press this key to display :
- the channel number when watching a TV program.
- the input source when watching an AV program.



Press this key to mute the sound.
Press this key again to restore it.

0~9 DIGIT BUTTONS

To select a TV channel.

RETURN

Press this key to return to previously selected TV channel or return to previously selected input source.

AV

Press this key to return last AV or press repeatedly to select desired input source



Press this key to select sound type (Mono, Stereo or Dual if broadcasted by the TV channel).

Zoom +,-

Press these key to select desired picture format (4:3, CINERAMA, 16:9)

MENU

Press this key to display main menu.

EXIT

Press this key to exit main menu

TV: To access TV mode
Press this button to control the television

DVD: To access DVD mode.

VCR: To access VCR mode

TELETEXT

The Teletext service is available in many countries under a variety of names (TOP Text, Fastext, FLOF text, Videotext). It is provided as a free service by television broadcasters. This service provides a real wealth of information, available at any time, on weather, sports results, news, games, etc. The information is presented in pages or organised in topics specified in colour on the screen and you can access this information by simply pressing the buttons of the relevant colour on the remote control.



TEXT

Press this key, Teletext will display the last page selected, or if you have changed channel, the index page (usually 100).

Press **EXIT** to leave Teletext.

OK

Press this key to superimpose the teletext over the TV picture. Press again to return to Teletext mode.



Press this key, once to zoom in on the top part of the screen, a second time to zoom in on the bottom part of the screen and a third time to return to normal display.

RED / GREEN / YELLOW / BLUE

If Fastext is available, use **coloured keys** to access directly to the relevant colour topics.



Press this key to select subtitle page.

If the displayed page is not the subtitle one, search its number in the index page and select it.

STOP

Press this key to stop the page scrolling. Press it again to restart the page scrolling.

(?)

Press this key to reveal a hidden answer (for example, in games). Press it again to hide the answer.

PAGE SELECTION

Page can be selected in two ways.

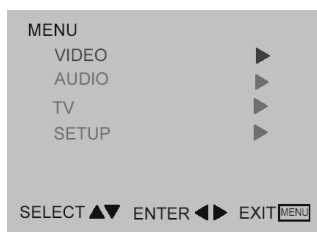
- Press **▲** or **▼** to increase or decrease the page number by one..
- By entering the page number, using digit buttons 0~9.

SUBPAGE ACCESS

Some information is spread across more than one page. To access sub-pages, press **---- / AV** key then enter the sub-page number using digit buttons 0~9.

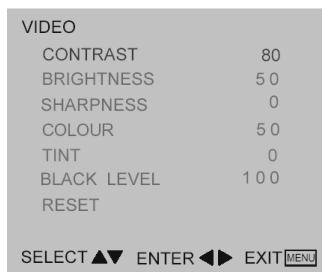
MENUS

MAIN MENU



Press the **MENU** button to display the Main menu. It offers the following options: Picture adjustments (**VIDEO**), sound adjustments (**AUDIO**) and channels search menu (**TV**) (only in TV mode), it allows also to define your preferences in the **SETUP** menu.

PICTURE ADJUSTMENTS



Display the Main menu by pressing **MENU** button.

Select the **VIDEO** option using the \wedge / \vee buttons.

Press the \blacktriangleright button to display the **VIDEO** menu. Use the \wedge / \vee buttons to select each option.

CONTRAST, BRIGHTNESS, SHARPNESS and **COLOUR**: adjust these settings as required using the $\blacktriangleleft / \blacktriangleright$ buttons.

TINT: This option is only available for NTSC audio-visual sources. Adjust the tint of the picture using the $\blacktriangleleft / \blacktriangleright$ buttons.

\boxplus **BLACK LEVEL**: can be used to adjust the black level according to the ambient brightness. Using the $\blacktriangleleft / \blacktriangleright$ buttons, adjust as required.

RESET: Return to default settings. Press one of the $\blacktriangleleft / \blacktriangleright$ buttons to return to default settings.

Press the **EXIT** button to exit the **VIDEO** menu.

Note: This menu is removed automatically after a few seconds without using the remote control.



*When you adjust a menu option (Contrast for example), the menu is replaced by a sub-menu as illustrated. Press the **MENU** button to return to the **VIDEO** menu.*

Sound adjustments

AUDIO	
VOLUME	64
BASS	4 8
TREBLE	4 8
SRS	ON
RESET	
SELECT ▲▼ ENTER ◀▶ EXIT MENU	

Display the Main menu by pressing **MENU** button.

Select the **AUDIO** option using the ▼ button.

Press the ► button to display the **AUDIO** menu.

Use the ▲ / ▼ buttons to select each option.

VOLUME adjust as required using the ◀ / ▶ buttons.

BASS adjust the bass level as required using the ◀ / ▶ buttons.

TREBLE: adjust the treble level as required using the ◀ / ▶ buttons.

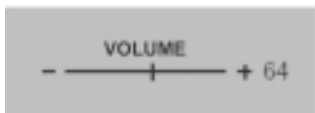
SRS Using ◀ / ▶, activate or deactivate SRS function.

SRS is an audio technology which improve the sound quality.

RESET: Return to default settings. Press one of the ◀ / ▶ buttons to return to default settings.

Press the **EXIT** button to exit the **VIDEO** menu.

Note: This menu is removed automatically after a few seconds without using the remote control.



*When you adjust a menu option (Volume for example), the menu is replaced by a sub-menu as illustrated. Press the **MENU** button to return to the **AUDIO** menu*

SRS, SRS and  are registered trademarks of SRS Labs, Inc.

This product is designed using SRS technology with permission from SRS Labs, Inc.

CHANNELS SEARCH

Channels search involves selecting all the settings required to be able to search for and store all the channels you can receive.

Make sure that the television is switched on and follow all the steps in turn specified on this page.



Display the Main menu by pressing **MENU** button.

Select the **TV** option using the ▼ button.

Press the ► button to display the **TV** menu.

Use the ▲ / ▼ buttons to select each option.

COUNTRY: Select the relevant country using the ◀ / ▶ buttons.

This is the country you are in, or the country whose channels you want to receive if you live near its borders. If you do not find your country, select the relevant standard for your country.

Note: The following standard are available to choose from : **SECAM** for France and Luxembourg, **SECAMDK** for Eastern Europe, the Middle East and Asia, **PAL I** for the UK and Ireland, **PAL BG** for Western Europe, Australia and New Zealand.

SCAN : Allows to start channels searching.

Press the ► button to start channels searching.

*The number of found channels is displayed opposite **SCAN**. Once the search as ended, **OK** is displayed instead of number of channels.*

You can then organise the channels:

SKIP : Allows to skip a channel when running through the channels using **PR + / -** buttons.

- Using the ▼ button, select the **PROGRAMME** option.
- Using the ◀ / ▶ buttons, select the channel to skip.
- Using the ▲ button, select the **SKIP** option.
- Using the ◀ / ▶ buttons select **YES**, the channel will be skip ◀Zapping▶.

Repeat this procedure to skip other channels.

SWAP : Allows to swap 2 channels.

- Using the **▼** button, select the **PROGRAMME** option.
- Using the **< / >** buttons, select the first channel to swap.
- Using the **▲ / ▼** buttons, select the **SWAP** option.
- Using the **< / >** buttons select the second channel to swap.
- Press the **MENU** button, the 2 channels are swapped.

Repeat this procedure to swap other channels.

INSERT : Allows to move a channel.

- Using the **▼** button, select the **PROGRAMME** option.
- Using the **< / >** buttons, select the channel to move.
- Using the **▲ / ▼** buttons, select the **INSERT** option.
- Using the **< / >** buttons select the program number on which one you want insert this channel.
- Press the **MENU** button, the channel is now on this program number.
The other channels are moved consequently.

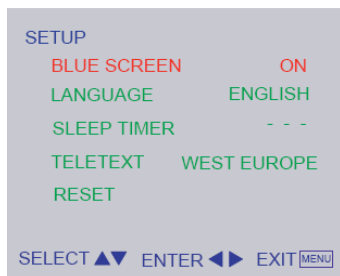
Repeat this procedure to move other channels.

Press the **EXIT** button to exit the **TV** menu.

Note: This menu is removed automatically after a few seconds without using the remote control.

PRÉFÉRENCES

This menu allows to select the language for the menus as well as the colour of the screen when there is no video input. It allows also to set an automatic shut-off time.



Display the Main menu by pressing **MENU** button.

Select the **SETUP** option using the ▼ button.

Press the ▶ button to display the **SETUP** menu.

Use the ▲ / ▼ buttons to select each option.

BLUE SCREEN : To have a blue screen when there is no video input or when the RF signal is very bad.

Using the ◀ / ▶ buttons select **ON**.

Select **OFF** if you do not want the blue screen.

LANGUAGE : To select the language for the menus.

Using ◀ / ▶ buttons, select the desired language.

Default language is english.

SLEEP TIMER : To set an automatic shut-off time. Using ◀ / ▶ buttons select 0 > 30 > 60 > 90 > 120 minutes.

Once the time is ended, TV set automatically switch on standby mode .

If you turn the TV on standby mode after setting the sleep timer, setting will be erased. Set it again.


TELETEXT : Using ◀ / ▶ buttons, select the character set that wil be used for Teletext on this channel.

The following character sets are available: **WEST EUROPE, EAST EUROPE, ARABIC, GREEK, CYRILLIC.**


The character set determines how characters are displayed on Teletext screen.

RESET: Return to default settings. Press one of the ◀ / ▶ buttons to return to default settings.

Press the **EXIT** button to exit the **SETUP** menu.

Note  This menu is removed automatically after a few seconds without using the remote control.

Note : You can display the remaining time before the automatic shut-off.

To do that, press the sleep button  .

To cancel the automatic shut-off, press several times the sleep button to display **SLEEP TIMER - - -** .

PC MODE

In PC mode, main menu is different from the one in TV mode.



Press the **MENU** button to display the Main menu. It offers the following options: sound adjustments (**AUDIO**), **PC** and **PIP** settings, it also allows you to define your preferences in the **SETUP** menu.

For settings of **AUDIO** and **SETUP** menus, refer to pages 9 and 12.

PC SETTINGS



Display the Main menu by pressing **MENU** button.

Select the **PC** option using the **▼** button.

Press the **➤** button to display the **PC** menu.

Use the **▲** / **▼** buttons to select each option.

AUTO TUNE: this function is used to automatically adjust the VGA input. Press the **</>** buttons to start the adjustment process.

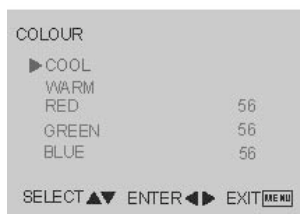
CONTRAST, BRIGHTNESS: adjust as required using the **</>** buttons.

FOCUS, CLOCK: Adjust as required to improve the picture quality.

H-POSITION use the **</>** buttons to move the picture horizontally on the screen.

V-POSITION use the **</>** buttons to move the picture vertically on the screen.

COLOUR: to adjust the colour temperature at your convenience.



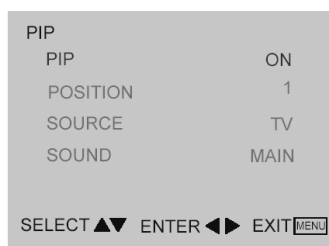
Press the **▶** button to display the **COLOUR** menu.

Use the **▲ / ▼** buttons to select each option.

Adjust as desired using the **◀ / ▶** buttons.

PIP SETTINGS

If you connect a PC to the TV set (in PC mode), you can display a picture in the picture from the PC.



Press the **MENU** button to display the Main menu

Select the **PIP** option using the **▼** button.

Press the **▶** button to display the **PIP** menu.

Use the **▲ / ▼** buttons to select each option.

PIP Using **◀ / ▶** buttons activate (ON) or deactivate (OFF) the PIP function.

POSITION use the **◀ / ▶** buttons to change the position of the PIP frame on the screen.

SOURCE to select video source of the PIP, use the **◀ / ▶** buttons to select video source of the picture in the PIP frame (TV or AV).

*Video source can also be selected without the menu, using **AV** button on the remote control.*

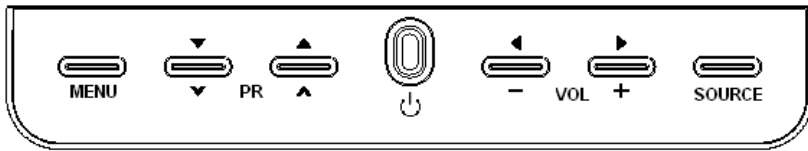
SOUND to select audio source: MAIN (PC) or SUB (PIP), use the **◀ / ▶** buttons to select audio source.

Press the **EXIT** button to exit the **PIP** menu.

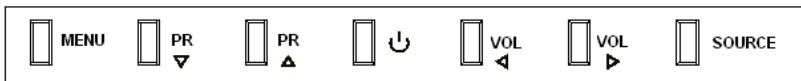
Note **[]** This menu is removed automatically after a few seconds without using the remote control.

CONTROLS

(27" / 32" MODÈL) (On the top of the TV set)



(20" MODÈL) (On the front of the TV set)



Power button: Press this button to switch on or on standby the TV set.

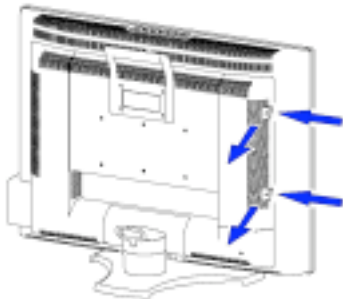
MENU button: Press this button to display the main menu.

▲ / ▼ buttons: Press these buttons to select a channel or to choose an option in a menu.

- / + buttons: Press these buttons to adjust the volume, access a sub-menu or perform an adjustment in a menu.

SOURCE button: Press this button to select the input source.

CONNECTIONS

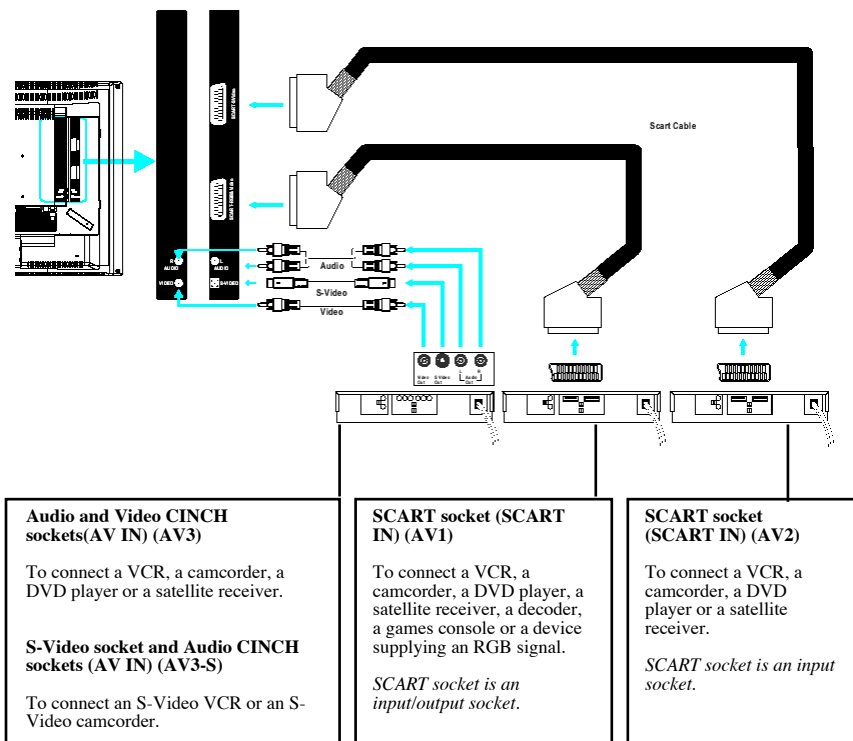


Remove the back plate at the back of the TV as shown on the illustration opposite.

Lay the LCD TV with the screen down on a table, as it will be easier to connect your peripheral equipment. Please take your precautions not to damage the screen.

**AV SOCKETS (LOCATED AT THE BACK OF THE TV SET, ON THE LEFTSIDE)
(27□ / 32□□MODEL)**

Illustrated cables are not supplied with the TV set.



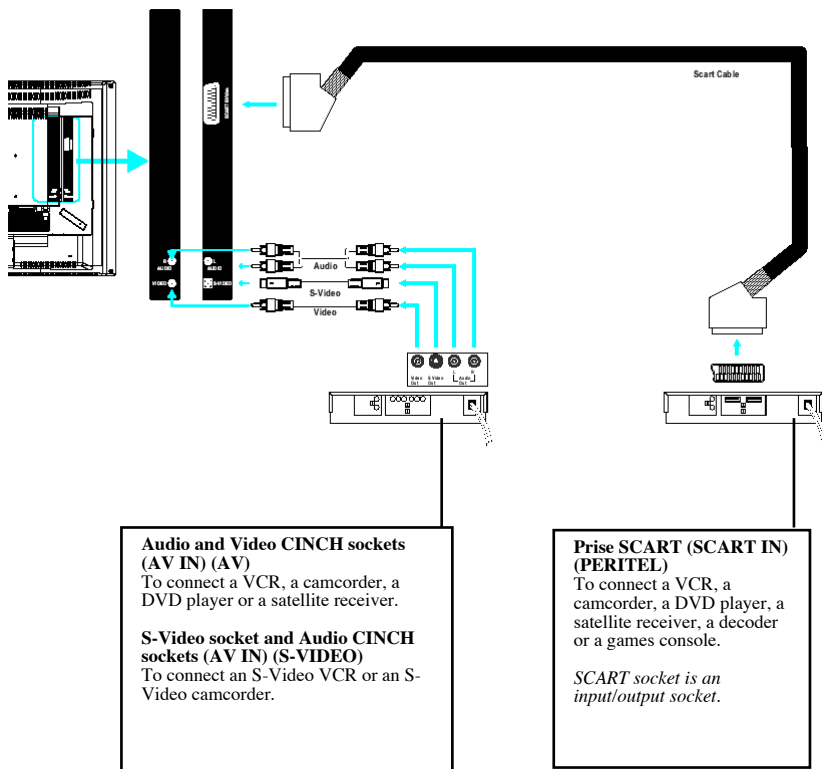
To display images from the connected appliance, select the input source by pressing the **AV** button on the remote control.

For some appliances, connected to the SCART socket, this selection is made automatically.

Selection loop : AV1, AV1-RGB, AV2, AV3, AV3-S, PC.

**AV SOCKETS (LOCATED AT THE BACK OF THE TV SET, ON THE LEFTSIDE)
(20" MODEL)**

Illustrated cables are not supplied with the TV set..

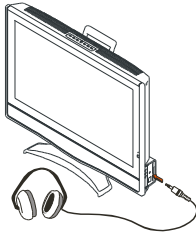


To display images from the connected appliance, select the input source by pressing the **AV** button on the remote control.


For some appliances, connected to the SCART socket, this selection is made automatically.


Selection loop: AV, S-VIDEO, SCART, PC.

HEADPHONE SOCKET (LOCATED AT THE BACK OF THE TV SET, ON THE RIGHTSIDE)



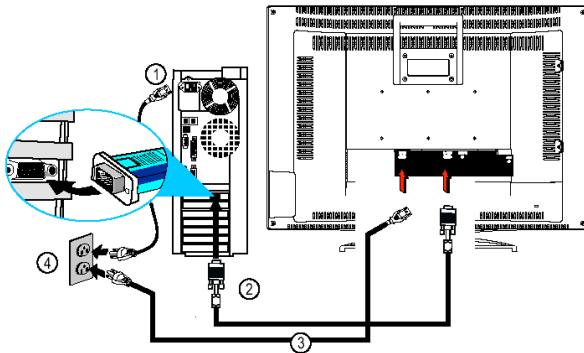
When headphones are connected, the sound of TV set is cut.

Adjust headphones volume level by using  + / - buttons on the remote control.

To switch off the sound of the headphone press the  button on the remote control.

PC IN SOCKET (LOCATED AT THE BACK OF THE TV SET, NEAR THE POWER INPUT SOCKET)

Allows to connect a PC to the TV set



1- Connect the PC IN D-sub socket located at the back of the TV set to the output of PC equipment through a mini D-sub 15 pin cable.

2 – Connect the stereo PC IN audio jack located at the back of the TV set to the audio output socket on the computer through an audio cable.

To display images from the connected appliance, select the input source by pressing the **AV** button on the remote control.

BEFORE CALLING SERVICE

Please make these simple checks before calling service.

Symptoms	Items to Check and Actions to follow
“ Ghost ” or double image	<ul style="list-style-type: none"> * Make sure the antenna is facing the right direction.. * This may be caused by obstruction to the antenna due to high rise buildings or hills. * Using a highly directional antenna may improve the picture.
No power	<ul style="list-style-type: none"> *Check that the TV's AC power cord is plugged into the mains socket. *Unplug the TV, wait for 60 seconds. Then re-insert plug into the mains socket and turn on the TV again.
No picture	<ul style="list-style-type: none"> * Check antenna connections at the rear of the TV to see if it is properly connected to the TV. * Possible broadcast station trouble. Try another channel. * Adjust the contrast and brightness settings. * Check there is not a wrong connection or a wrong input mode selection.
Good picture but no sound	<ul style="list-style-type: none"> *Increase the VOLUME. *Check that the TV is not muted; press the button on the remote control.
Good sound but poor color	<ul style="list-style-type: none"> *Adjust the contrast, color and brightness settings.
Poor picture	<ul style="list-style-type: none"> *Sometimes, poor picture quality occurs when having activated an S-VHS camera or camcorder connected and having connected another peripheral at the same time. In this case switch off one of the other peripherals
Snowy picture and noise	<ul style="list-style-type: none"> *Check the antenna connection
Horizontal dotted line	<ul style="list-style-type: none"> *This may be caused by electrical interference (e.g. hairdryer, nearby neon lights, etc.) *Turn off the equipment.
Television not responding to remote control	<ul style="list-style-type: none"> *Check whether the batteries are working. Replace if necessary *Clean the remote control sensor lens on the TV. *You can still use the buttons at the front of your TV.

Your guarantee

UK and Ireland (GB + IE)

Dear Customer,

Thank you for purchasing this THOMSON product and for your confidence in our company. This product meets applicable safety requirements and has undergone stringent testing during manufacture.

However, should there occur a defect, the product or its defective part(s) (excluding accessories and consumables, especially lamps of DLP rearprojectors) will be repaired free of charge (labour and parts) or, at THOMSON's discretion, exchanged for a similar item, provided that it has been returned within 12 (twelve) months from the date of original purchase (date of receipt), is defective in materials and/or workmanship and has been bought in any of the following countries: FR, IT, ES, PT, GB, IE, DE, CH, AT, BE, LU, NL, PL, CZ, HU, SK (Territory) or in a Duty-free shop in the named countries.

This guarantee will be granted only upon presentation of the original invoice or cash receipt, indicating the date of purchase and dealer's name, and of this guarantee card with the product type and serial number. The benefits of this guarantee may be refused if the invoice, cash receipt or guarantee card has been altered in any way, deleted or made illegible after the original purchase.

This guarantee does not apply to any of the following:

1. Damage caused by accidents including, but not limited to, lightning, fire, water.
2. Transport costs between the home and place of service and other costs and risks of transport relating directly or indirectly to this guarantee.
3. Damage to the product resulting from neglect, misuse, including but not limited to, failure to use, repair and/or install the product for its normal domestic purposes and/or in accordance with the operating instructions on its proper installation and use, especially, referring to the user manual, burned screen provoked by the lengthy display of a fixed picture like broadcaster logo or 4x3 format
4. Modifications, adaptations and alterations of the product to operate in a country other than that for which it was originally designed and manufactured, or any damage resulting from such modifications.
5. Usage other than usual consumer home usage.
6. Defects on individual pixels when the number of defective is below the following number:
Dark pixels: 7 Bright pixels: 3 Total dark and bright: 8

These statements do not affect your statutory rights as a consumer under applicable national legislation in force, nor your consumer's rights against the dealer from whom you bought the product.

If you need service, whether or not under guarantee, please approach the dealer who sold you the product.

In your own interest we advise you to read the instruction booklet for your THOMSON product carefully before contacting your dealer or service center.

If you need service while in a country (within the named Territory) other than the one where you bought your product, please contact the nearest THOMSON InfoCenter.

Should you have any questions which your dealer is unable to answer, please contact:

THOMSON InfoCenter (UK, IRL)	
Unit 1, Zone D	
Chelmsford Road	tel. 0871 712 1312*
Industrial Estate, Great Dunmow	http://www.thomson-europe.com
Essex CM6 1XG (England)	*(0.1£ per minute call cost)