



THOMSON

Mains connection

The TV is suitable for use on a.c. mains supply, 220-240V, 50 Hz only.
It must not be connected to d. c. mains.



The mains lead of the TV is fitted with a moulded plug. If the mains sockets are not compatible or if for any reason the plug is removed please follow these directions:

The moulded plug cannot be rewired and if removed must be disposed of safely.

DO NOT under any circumstances plug the severed plug into any mains socket as this could result in electric shock.

IMPORTANT: If the plug is removed rewire new plug as follows: The wires in the mains plug are coloured in accordance with the following code: BLUE - NEUTRAL / BROWN - LIVE.

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

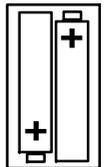
- BLUE wire to the terminal coded N (Neutral) or coloured black.
- BROWN wire to the terminal coded L (Live) or coloured red.

DO NOT make any connection to the terminal in the plug which is marked by the letter E or by the safety earth symbol \equiv or coloured green or green and yellow.

A fused plug must be fitted with a 5A fuse approved by ASTA or BSI to BS 1362 and fuse covers must always be securely replaced.

Remote control batteries

The remote control requires two batteries size AA as supplied with the unit. Unclip the cover at the rear and insert the batteries the correct way round as shown. The ends are usually marked + and -.

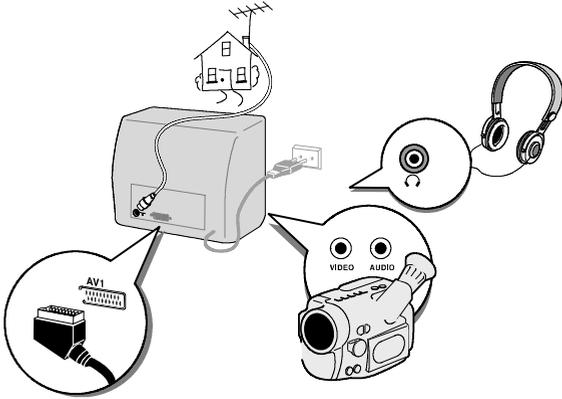
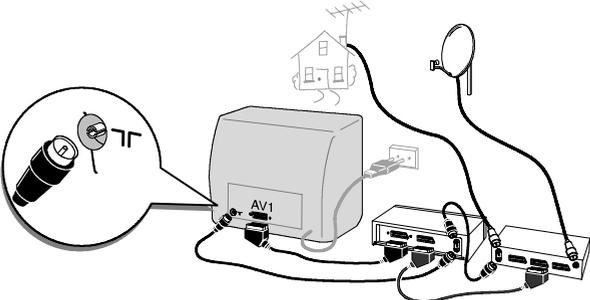
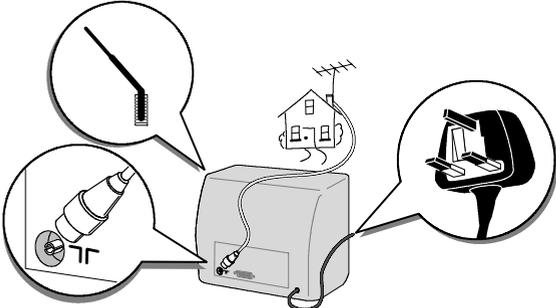


Replace the batteries when the unit no longer operates at normal viewing distances.



When replacing batteries do not mix old and new - do not mix makes and types. alkaline types are recommended for long life. Never risk damage to the remote control by extreme heat - do not leave close to a radiator or on a window ledge in direct sunshine.

Connections



1. Aerial Socket

Enables connection of the aerial and, if required, a video recorder (see manual for latter).

To tune the channel reserved for your video recorder, start up the recorder then carry out MANUAL CHANNEL SETTING operations.

Store at any programme ending with a 9 (9,19,29, etc.)

Each time you use the video recorder, switch to the channel assigned to it.

2. SCART Socket

This is used to connect:

- a VHS, 8 MM, S-VHS or Hi-8 video recorder or camcorder,
- a PAY TV decoder,
- a video games console.

To use the connected device, select the audiovisual programme by pressing the **av** button.

This selection is automatic for some devices.

AV is displayed at the bottom of the screen.

If you have an S-VIDEO device, press the **av** button again. S-VIDEO is then displayed at the bottom of the screen for a few seconds.

When you switch off the device and if you have not changed channel during play, the TV set automatically returns to the previous channel.

If the TV set has been switched on by the video recorder, it will be placed on stand-by when the video recorder is switched off.

3. Audio / Video CINCH Sockets

These are used to connect a VHS or 8 mm camcorder.

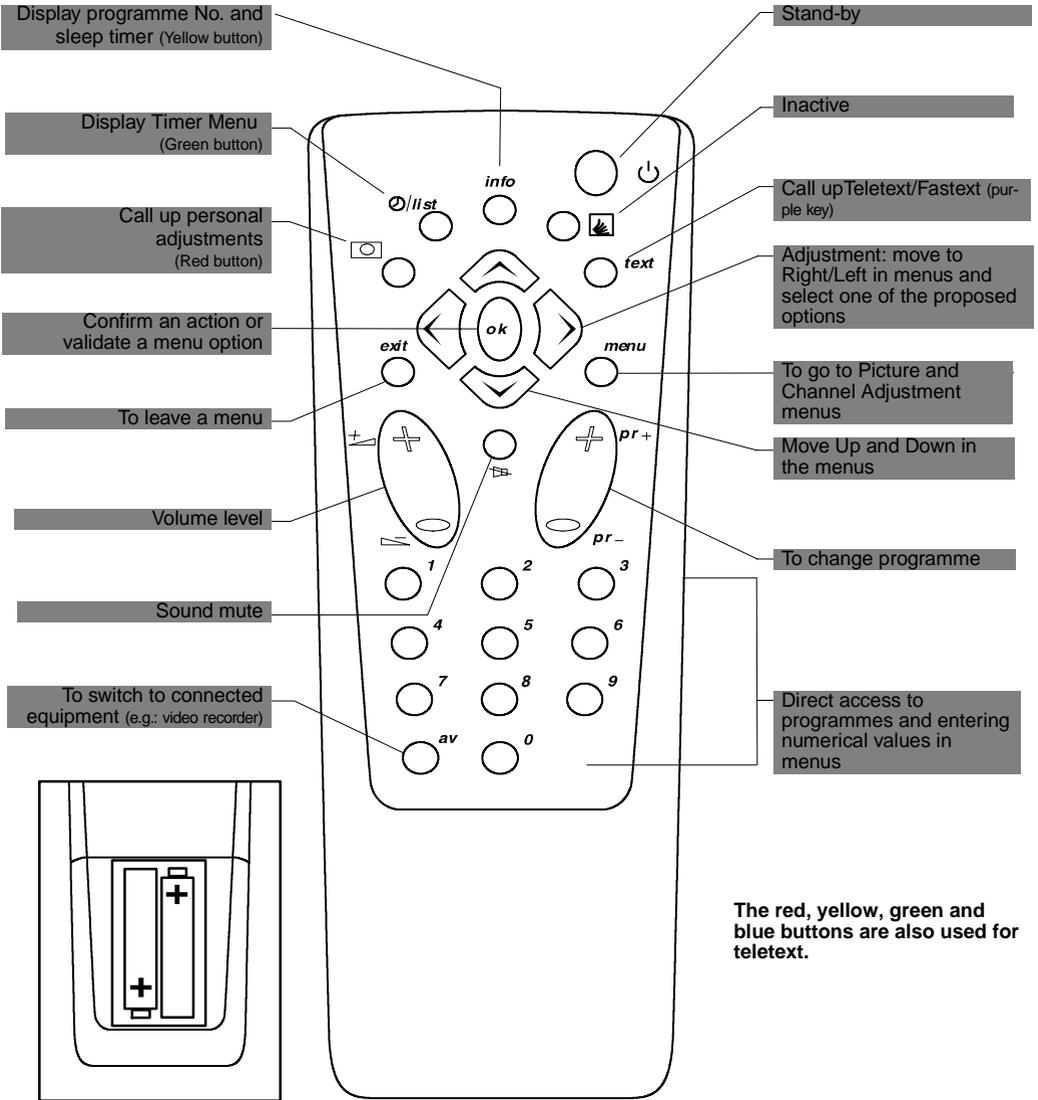
Press the **av** button to select the audiovisual programme to view your recordings.

When you switch off the connected device, the TV set remains in audiovisual (AV) mode.

Call up the channel you wish to watch using the numerical keypad on the remote control.

In order to maintain the optimum sound and picture quality of your TV set, avoid connecting 2 devices to the SCART socket and the AUDIO/VIDEO sockets simultaneously.

Remote Control



The red, yellow, green and blue buttons are also used for teletext.

Batteries: Remove the lid at the back of the remote control and insert two 1.5 V, LR06 (AA) batteries.



"Please respect the environment! Before throwing any batteries away, consult your distributor who may be able to them back for specific recycling.."

Automatic Channel Setting

This set is equipped with an automatic search system which will search for and store all channels available in your region. To help identify the programmes, we suggest that you have to hand a TV guide or daily newspaper.

Ensure that the aerial lead is connected to the TV set.

Check that any equipment connected **only** via the aerial (video recorder or satellite equipment) is operating.

Switch off any equipment connected via the SCART socket.

Installation

Press the ON/OFF button, the indicator lamp lights up.

If the television set remains on stand-by, press one of the buttons on the remote control numerical keypad.

When the television set is turned on for the first time, the Installation menu appears automatically.

If this is not the case, you can call it up by:

– pressing the **menu** button on the remote control three times.

Press **ok** to confirm.

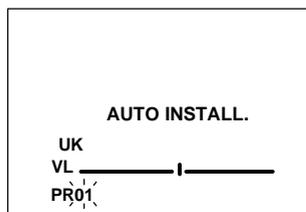
A new menu appears. Automatic search begins. The cursor moves from left to right on the VL line, then on the VH line and then on the U line. The channels found are stored in memory in order starting from programme PR 01.

You can stop the automatic search at any time by pressing the **ok** button.

The search stops automatically at the end of the U band or when 99 channels have been found.

The Programme Organizer menu then appears automatically.

The channel stored on programme PR 01 is selected (see next page).



Changing a Programme Number

Select the channel number to be changed using the **pr +/pr -** button.

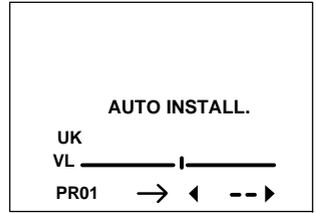
Using the numerical keypad on the remote control, enter the new programme number.

You can also use the   buttons on the remote control.

Press the **ok** button to confirm the change.

The programmes stored under the old and new numbers are then swapped.

Repeat this operation to change other programme numbers.



Erasing a Programme

Select the programme to be erased using the **pr +/pr -** button.

Enter 0 or 00 on the numerical keypad of the remote control.

Press **ok** to confirm. The programme is erased.

Check that all the programmes are in the required order using the **pr +/pr -** button, then press **exit** to leave the menu.

Manual Channel Setting

Press the **menu** button twice to call up the channel setting menu.

Select the broadcasting standard using the   buttons.

1. Channel Search

Select the 2nd line of the menu using the  button.

Start the search by pressing:

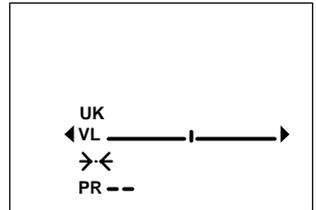
- the  button for a forward search,
- the  button for a backward search.

The search fully covers the VL, VH and U bands starting from the channel on the screen. The cursor moves and as soon as a channel is found, the picture appears on the screen.

Wait for the menu to go to the bottom of the screen for optimum reception.

If the picture corresponds to the channel required, go to the 4th line (PR), otherwise continue the search.

If you wish to stop the automatic search, press the **ok** button.



2. Programme Number and Storing in Memory

Select the 4th line of the menu using the  button.

*If fine tuning is necessary, see **Fine Tuning***

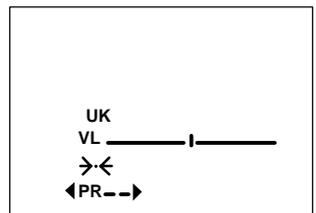
Enter a programme number using the numerical buttons of the remote control.

You can also use the   buttons.

Store the programme number you have allocated to the channel by pressing the **ok** button.

The 2nd line of the menu is then selected again.

Restart the search using the   buttons.

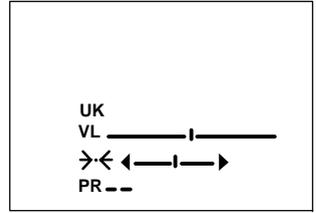


3. Fine Tuning

Only necessary in the event of interference

If fine tuning is necessary, select the 3rd line of the menu using the  button.

If necessary, adjust the picture using the   buttons.



Select the 4th line (**PR**) using the  button to allocate a programme number to the channel and store it in memory (see **Programme Number and Storing in Memory**)

If a channel has required fine tuning, it will be stored in memory with the AFC (Automatic Frequency Control) deactivated.

Press the **exit** button to leave the menu.

Picture Adjustments

Press the **menu** button to call up the Picture Menu.



Select the function to be adjusted using the   buttons.

The tint function is only active in NTSC mode.

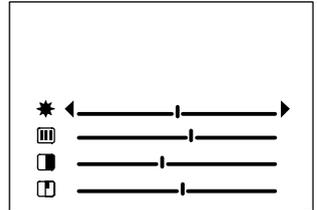
Adjust as required using the   buttons.

Storing Personal Adjustments

You can store the adjustments you have just made and call them up at a later stage. Caution: these personal adjustments will replace and delete the standard settings made at the factory.

With the Picture Menu displayed, press the red  button.

Press the **exit** button to leave the menu.



Sleep Timer

Press the green  / **list** button to call up the Stand-by Menu.

Set the stand-by time in 10-minute steps (up to 4 hours) using the the   buttons

Press the **exit** button to leave the menu

The television set is child locked when the programmed time period has elapsed. The stand-by indicator will flash (see **Day to Day Operation**).

To cancel the sleep time function:

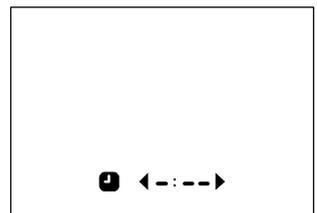
– press the green  / **list** button to call up the menu.

– press the  button once or several times to return to: —:—

When the display indicates —:—, the sleep timer function is deactivated.

The sleep timer function is also deactivated when the television set is switched to stand-by from the main ON/OFF switch.

The television is then child locked and the stand-by indicator flashes (see **Day to Day Operation**).



Day to Day Operation

Switching On - Selecting Programmes

Switch on the television set using the main ON/OFF switch if the indicator is off.

If it is on, enter the desired programme number.

For programmes 1 to 9:

Press the corresponding number on the remote control.

For programmes 10 to 99 (e.g. 24) :

Press and hold the decimal (tens) number (2): **2** -
then press the units (4) number briefly: **2 4**

Volume Adjustment - Sound Mute

Press the  buttons to turn the sound up or down.

Press the  button to turn the sound off.

The sound returns if the button is pressed again.

Zapping

Press the **pr +/pr -** buttons to scroll through the programmes stored in memory.

Personal Adjustments

Press the red  button to call up your personal adjustments (See **Picture Adjustments**).

Display

Press the yellow **info** button to display the programme number and stand-by time (if sleep timer command is activated).

If the channel has been fine tuned, the  symbol is also displayed.

This information disappears automatically after a few seconds. Press the yellow **info** button again to delete this information.

Stand-by - Sleep Timer

Press the  button to switch the television set to stand-by mode. The Stand-by light turns red.

The television set will automatically switch to Stand-by after a few minutes if there is no signal on the channel being watched.

Child Lock

You can prevent the use of your television set using the keypad.

To do this, switch off the television by pressing and holding down the stand-by button of the remote control for more than 4 seconds.

The TV set is also child locked:

- after the sleep timer function
- if it has been switched to stand-by or switched off when the sleep timer function has been programmed.

The stand-by light flashes to indicate that the child lock is activated. The set can only be switched on again using the numerical keys of the remote control.

Teletext and Fastext

Press the purple **text** button to call up the Index page (page 100).

Page Selection

Enter the number of the desired page (this must have 3 digits) using the numerical keys on the remote control – E.g. for page 170, enter 1, 7, 0.

As soon as the page has been found, it is displayed on the screen.

Press the  button to call the next page.

Press the  button to call the last page.

When a teletext page is displayed, you can switch off the sound using the  button or adjust the volume using the  button.

Standard Functions

Scrolling Pages

Press the **Red** button to stop scrolling pages.

The page number becomes S T O P .

Press the button again to continue scrolling.

Reveal

Press the **Green** button to reveal a hidden answer.

Press it again to hide the answer again.

Zoom

Press the **Yellow** button to double the size of the upper half of the screen.

Press the same button again to double the size of the lower half of the screen.

Press the same button a third time to return to the normal screen.

Mixed Display

Press the **Blue** button to superimpose the teletext page on the TV picture.

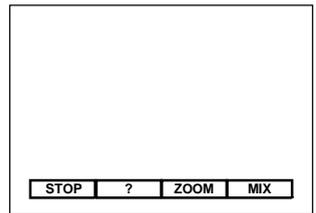
Press again to return to teletext only.

Fastext Functions

If the teletext is Fastext, a sub–menu appears. This allows you to select one of the 4 options indicated by colour. Press the corresponding colour key to select the option you require. Once an option has been selected, other titles can appear.

Press the   buttons briefly to switch from the standard sub–menu to the Fastext sub–menu and vice versa.

Press the **exit** button to leave the menu.



SAFE USE OF EQUIPMENT

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

Do read the Operating Instructions before you attempt to use the equipment.

Do ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.

Do consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

Don't continue to operate the equipment if you are in any doubt about it working normally or if it is damaged in any way-switch off, withdraw the mains plug and consult your dealer.

Don't remove any fixed cover as this may expose dangerous voltages.

Don't obstruct the ventilation of the equipment, for example with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.

Don't listen to headphones at high volume, as such use can permanently damage your hearing.

Don't use makeshift stands and NEVER fix legs with wood screws-to ensure complete safety always fit the manufacturer's approved stand or legs, with the fixings provided, according to the instructions.

Don't allow electrical equipment to be exposed to rain or moisture.

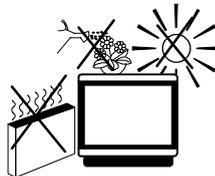
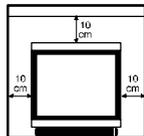
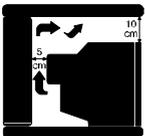
Above all

NEVER let anyone especially children push anything into holes, slots or any other opening in the case, this could result in a fatal electric shock.

NEVER guess or take chances with electrical equipment of any kind-it is better to be safe than sorry.

WARNING: Do not use cleaning agents containing ethyl alcohol, such as methylated spirits.

This equipment should be switched to standby when it is unattended for a few hours. This can be done using the remote control. However, for long periods of absence, switch off at the on/off switch on the front of the TV so that the red indicator light goes out. Make sure that your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.



PERITELEVISION (SCART) PIN CONNECTIONS

VIDEO INPUTS

Composite video or sync:	Pin 20 (pin 17 return).
RGB:	
Red	Pin 15 (pin 13 return).
Green	Pin 11 (pin 9 return).
Blue	Pin 7 (pin 5 return).

VIDEO OUTPUT

Composite video:	Pin 19 (pin 17 return).
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AUDIO INPUTS

A:	Pin 6 (pin 4 return).
B:	Pin 2 (pin 4 return).

AUDIO OUTPUTS

A:	Pin 3 (pin 4 return).
B:	Pin 1 (pin 4 return).

FAST BLANKING (INPUT)

Pin 16, + 1 V to + 3 V for fast blanking switching, 75 Ω .

NOTE: If an unsynchronised TV picture results after viewing an external source (with a fast blanking signal) connected to AV, this voltage must be removed to return to TV mode.

SIGNAL SELECTION

Facilities are provided for automatic switching when the equipment connected provides switching voltages as follows:

Pin 8: + 9.5 V to + 12 V

Auto switching to auxiliary O/AUX channel.

Pin 16: + 1 V. to + 3 V. Auto switching to RGB.

SIGNAL LEVEL

Composite video: 1 Vp -p \pm 3 dB positive going, 75 Ω

Sync: 0.3 Vp -p - 3 dB + 10 dB, negative going, 75 Ω

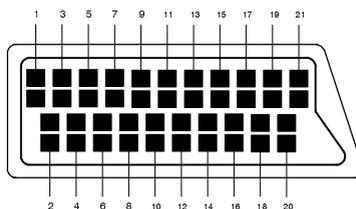
RGB (input): 0.7 Vp -p \pm 3 dB, positive going, 75 Ω

Audio (in/out): (nominal) 0.5 V r.m.s.

Input impedance: \geq 10 k Ω . (20 Hz - 20 kHz)

Output impedance: \leq 1 k Ω . (20 Hz - 20 kHz)

SCART socket connections



The socket is shown as viewed from the rear of the TV.

The descriptions and characteristics given here are of informative signifiacnce only, and non committal. In fact, to keep up the high quality of our products, we reserve the right to make changes or improvements without previous notice.



T H O M S O N
m u l t i m e d i a
S a l e s U K L i m i t e d
C r o w n r o a d
E n f i e l d M i d d l e s e x
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