

TX-W32D3DP/L Operating Instruction



Panasonic



TX-W32D3DP/L



100Hz
SUPER DIGITAL SCAN

King of Pictures
GAOO


Quintrix
WIDE

Super
3DBASS

WIDE
DIGITAL
P - L - U - S



Please read these instructions completely before use and retain them for future reference.

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Dear Panasonic Customer,
Welcome to the Panasonic family of customers. We hope that you have many years of enjoyment from your new colour television. This is a very advanced television, however, the Quick Start Guide will tell you how to have the TV operating quickly; you can then read the following pages to fully utilise the advanced features.



This television has a low power consumption making it very cost effective to run. To this end, the standby power consumption is merely 1 watt.

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WARNINGS and PRECAUTIONS

- This TV is designed to operate on A.C. 220 – 240V, 50Hz.
- This TV is capable of receiving the following transmission standard, PAL I.
- To prevent damage which might result in electric shock or fire, do not expose this TV set to rain or excessive moisture.
- **WARNING : HIGH VOLTAGE !!!**
Do not remove the rear cover as live parts are accessible when it is removed. There are no user serviceable parts inside.
- Avoid exposing the TV set to direct sunlight and other sources of heat.
- Remove the mains plug from the wall socket when the TV set is not used for a prolonged period of time.



- **CABINET AND PICTURE TUBE CARE**

Remove the mains plug from the wall socket. The cabinet and picture tube can be cleaned with a soft cloth moistened with mild detergent and water. Do not use solutions containing benzol or petroleum. TV sets can produce static electricity, care must be taken whenever touching the TV screen.

- Adequate ventilation is essential to prevent failure of electrical components. We recommend that a gap of at least 5cm is left all around this TV even when it is placed inside a cabinet or between shelves.

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY

This appliance is supplied with a fitted three pin mains plug for your safety and convenience. A 5 amp fuse is fitted in this plug. If the fuse is replaced then the replacement fuse must be 5 amp rated and should be approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the fitted plug has a removable fuse cover you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the plug must not be used until a replacement cover is obtained. Replacement fuse covers can be purchased through your local Panasonic dealer.

The plug fitted to this appliance incorporates a mains filter circuit. If this is removed or replaced with a non-filtered plug this television will no longer meet the European standards for Electromagnetic Compatibility (EMC). If the fitted plug is unsuitable for the socket outlet in your home an appropriate adapter should be used.

Nonetheless, if the fitted plug is replaced, the fuse should be taken out and the cut-off plug disposed of safely. There is danger of severe electrical shock if the cut off plug is inserted into any 13 amp. socket.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

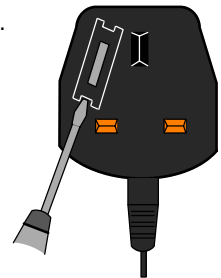
How to replace the fuse (for plug type shown in example 1) :

Lift out the removable fuse compartment with a screwdriver and replace the fuse, then refit securely into the mains plug (See example 1).

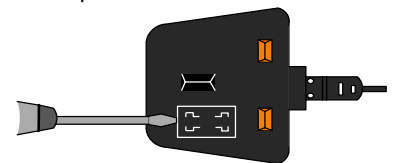
How to replace the fuse (for plug type shown in example 2) :

Lift open the fuse compartment, in the mains plug, with a screwdriver, and replace the fuse, then press the fuse cover down securely. (See example 2).

Example 1.



Example 2.




IMPORTANT :- The wires in the mains lead of this appliance are coloured in accordance with the following code :-

BLUE : NEUTRAL

BROWN : LIVE

As the colours of the wires in the mains lead of this appliance may not correspond to the markings identifying the terminals in your plug, proceed as follows :-

1. The **BLUE** wire must be connected to the terminal marked 'N' or coloured black.
2. The **BROWN** wire must be connected to the terminal marked 'L' or coloured red.

IMPORTANT NOTE : Under no circumstances should either of these wires be connected to the Earth terminal of the three pin plug, marked with the letter 'E' or the earth symbol. 

ACCESSORIES

Check that you have the accessories and items shown

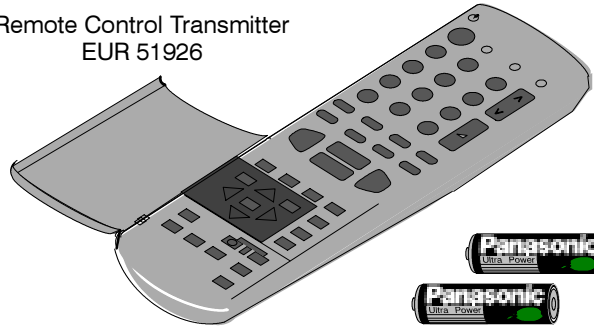


Operating Instruction book
TQB8E2479



TV Guarantee

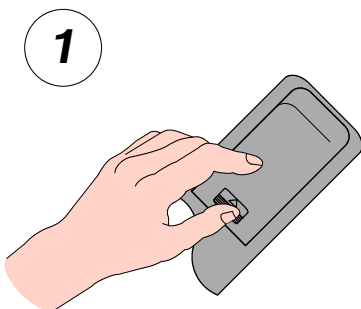
Remote Control Transmitter
EUR 51926



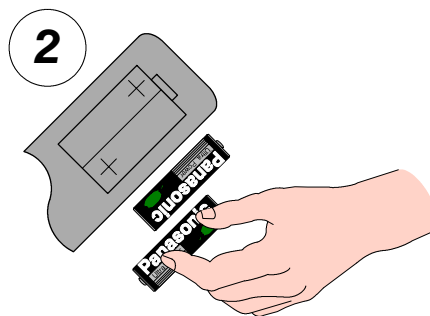
Batteries for the
Remote Control Transmitter.
(2 x R6 (UM3) size)



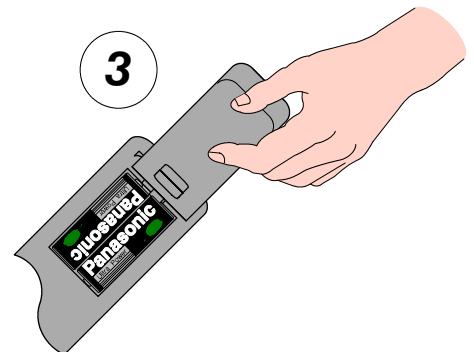
FITTING REMOTE CONTROL BATTERIES



Slide off the battery cover



Insert batteries – note correct polarity



Replace the cover

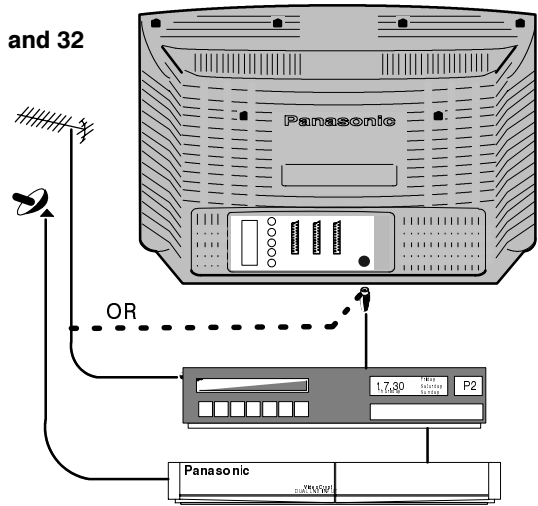
Notes:

- Make sure that the batteries are fitted the correct way round.
- Do not mix old batteries with new batteries. Remove old, exhausted batteries immediately.
- Do not mix different battery types, i.e. Alkaline and Manganese. Do not use rechargeable (Ni–Cad) batteries.

QUICK START GUIDE

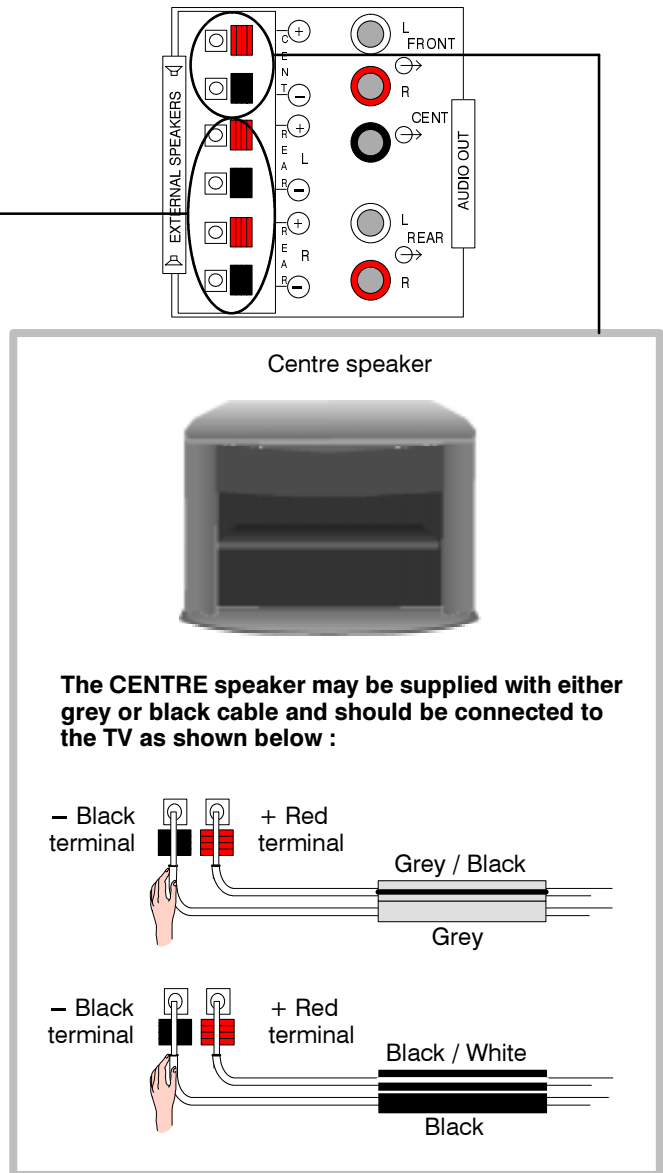
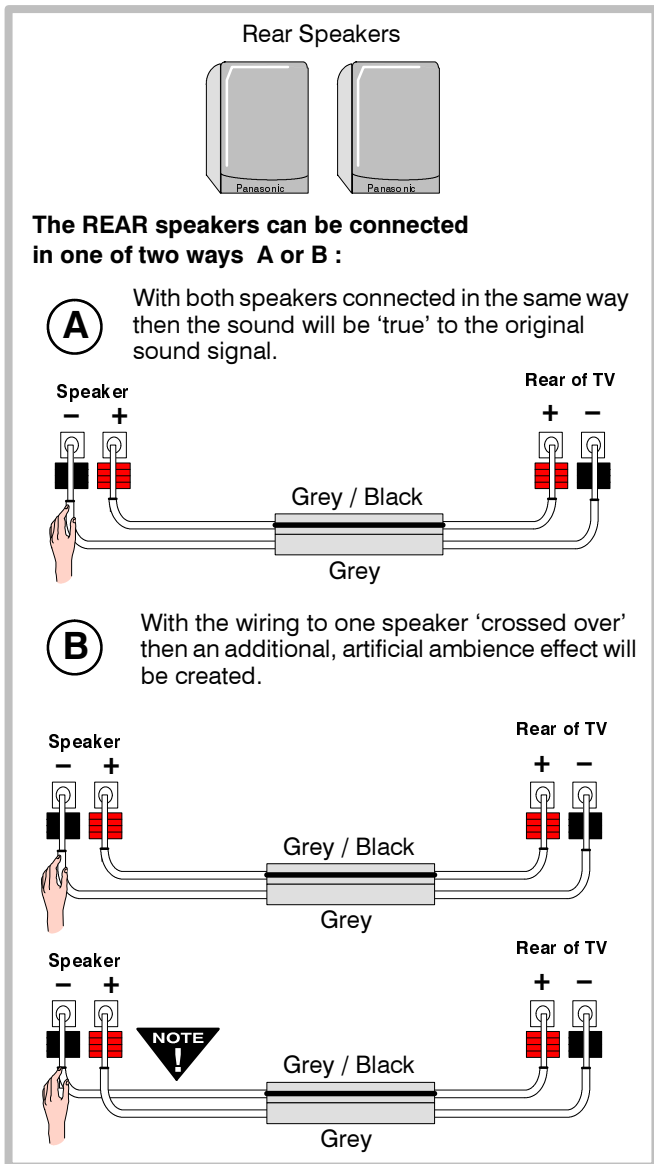
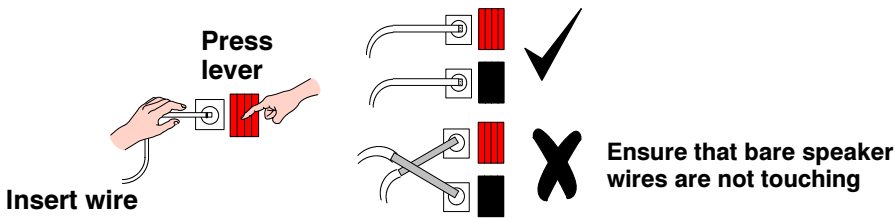
1

Plug in aerial and connect ancillary equipment see pages 31 and 32



2

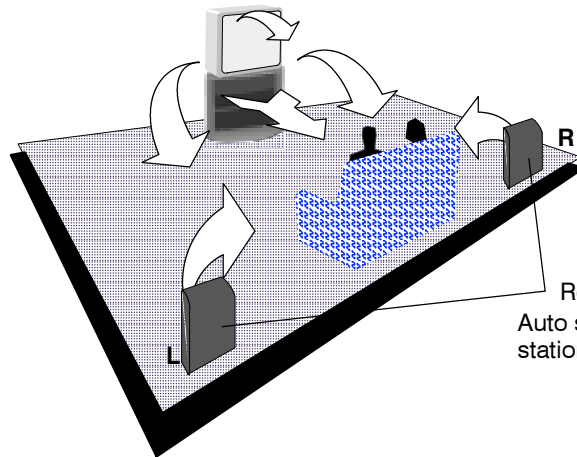
Connect the speakers with the TV switched off



QUICK START GUIDE

3

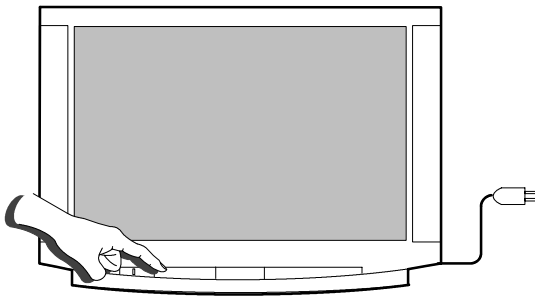
Position the speakers



Rear speakers
Auto setup will begin, your stations will be located and stored

4

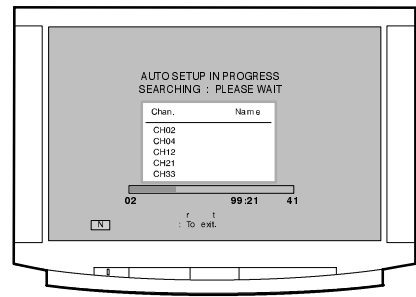
Switch ON your VCR *1.
Switch ON your Satellite Receiver*2.
Plug the TV into mains socket and switch on .
Programmes will appear immediately if your dealer has programmed the TV for you.



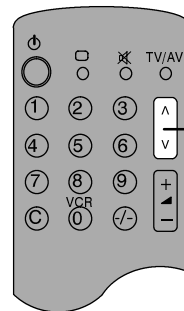
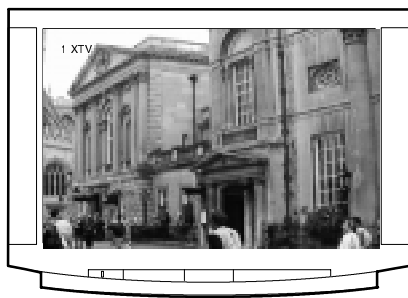
5

If the TV has not been programmed for you then **Auto setup** will begin. TV stations will be located, sorted into order and stored ready for use*3.

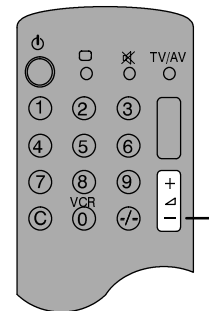
Switch the VCR Test Signal 'off'*4 .



6



Change Channel

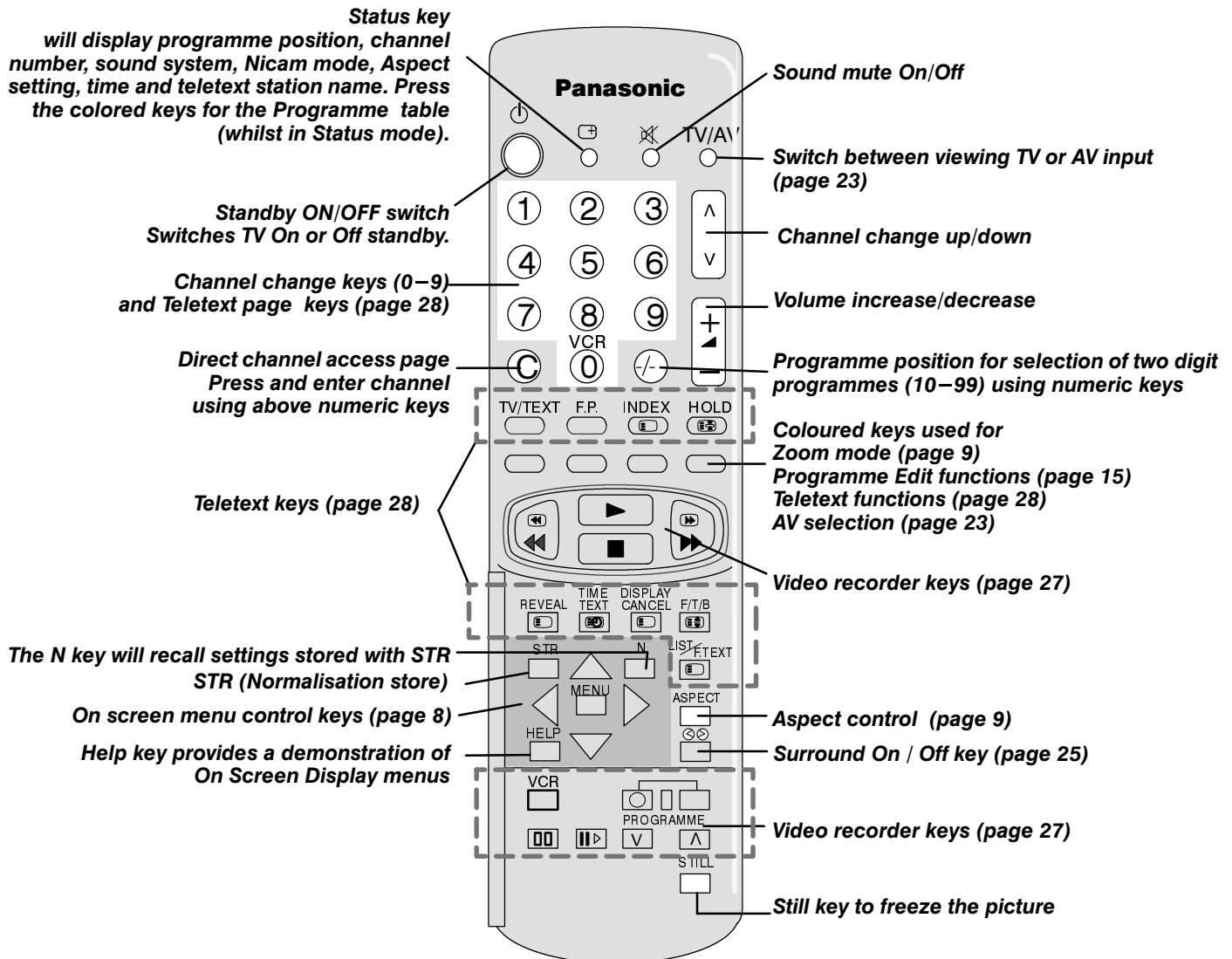
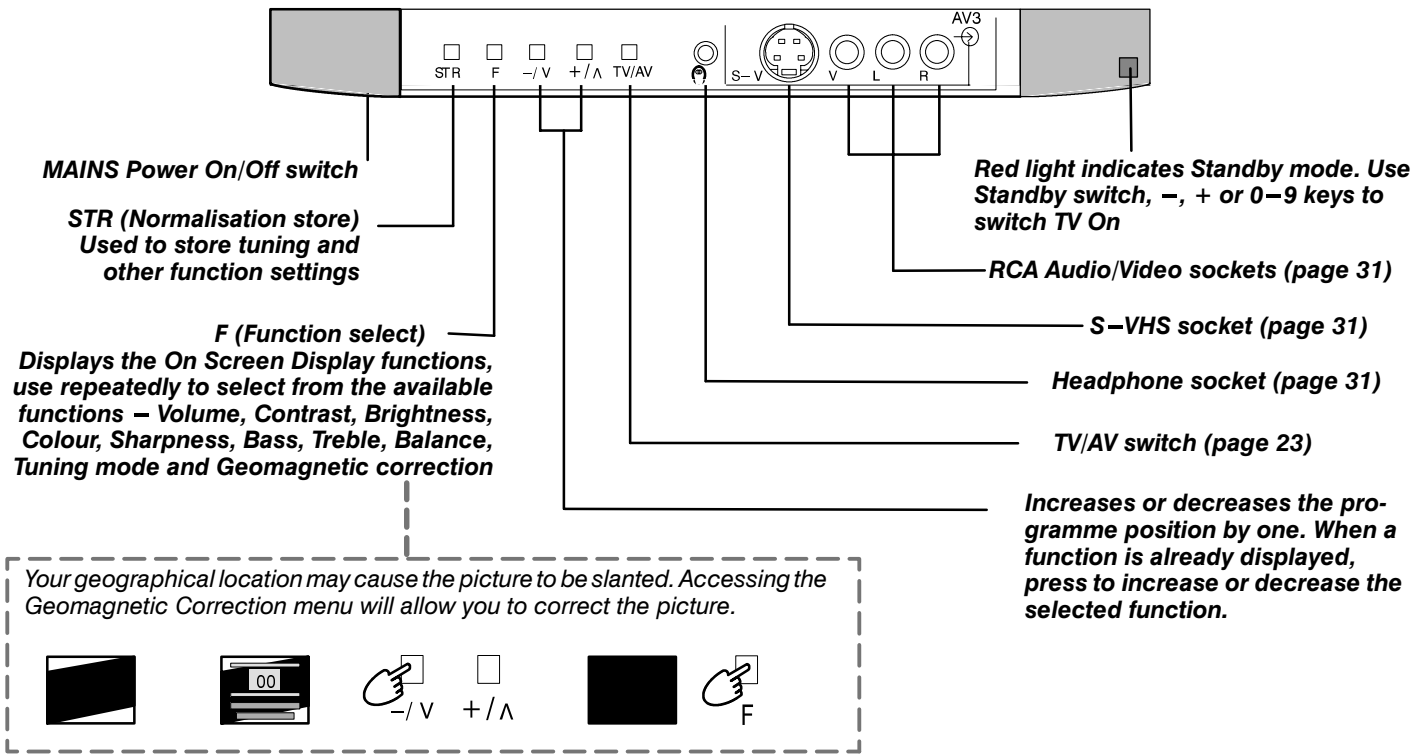


Adjust Volume

... READY TO GO!

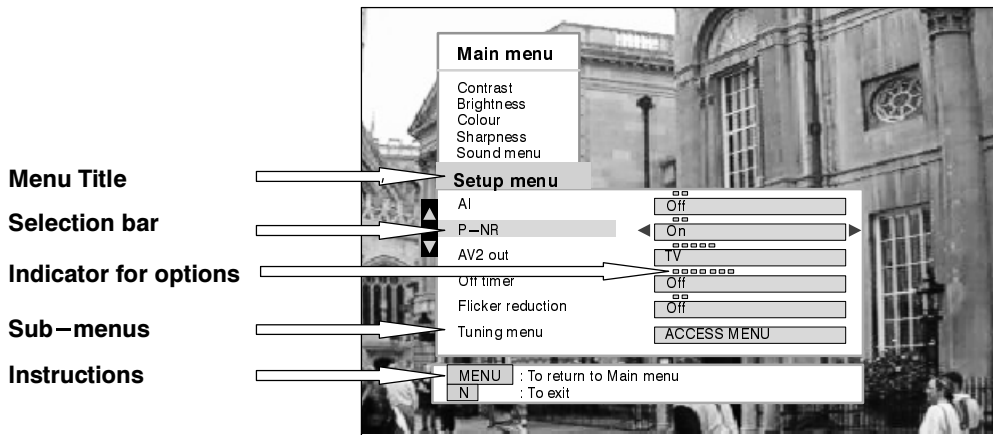
- *1. If your VCR Test Signal appears as a programme position it can be deleted using the Programme Edit menu. We recommend that you have the VCR's test signal 'on' – refer to your VCR instruction book to locate the VCR Test Signal switch (usually on the rear of the VCR).
- *2. The Satellite Receiver must be tuned to either SKY ONE or SKY NEWS before starting Auto Setup. When Auto Setup has finished, the satellite position that has been stored will be listed as 'SAT'.
- *3. The sorting order depends upon the TV signal, the broadcasting system, and reception conditions. If the order is not to your preference it can be rearranged. Refer to the Programme Edit menu – see page 15 for details.
- *4. **IT IS IMPORTANT THAT** you use only programme position '0' for your VCR. If your VCR does not appear to operate on programme position '0' (the VCR position), refer to page 30 for guidance.

BASIC CONTROLS – FRONT PANEL AND REMOTE CONTROL



USING THE ON SCREEN MENUS

This TV has a comprehensive system of On Screen Display menus to access adjustments and options.



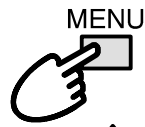
The following remote control keys are used to access and adjust settings for the On Screen Display menus.

Some selections, for example, **Contrast, Brightness, Colour** and **Sharpness** will allow you to increase or decrease their level.

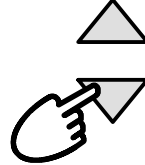
Some selections, for example, **Off timer**, allow a choice to be made.

Some selections, for example **Tuning menu**, will lead to a further menu.

The **'MENU'** key is used to open the Main menu and also to return to either the Main menu or a previous menu.



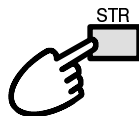
The **▲▼** keys are used to move the selector up or down the menus.



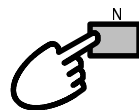
The **◀▶** keys are used to access menus, adjust levels or to select from a range of options.



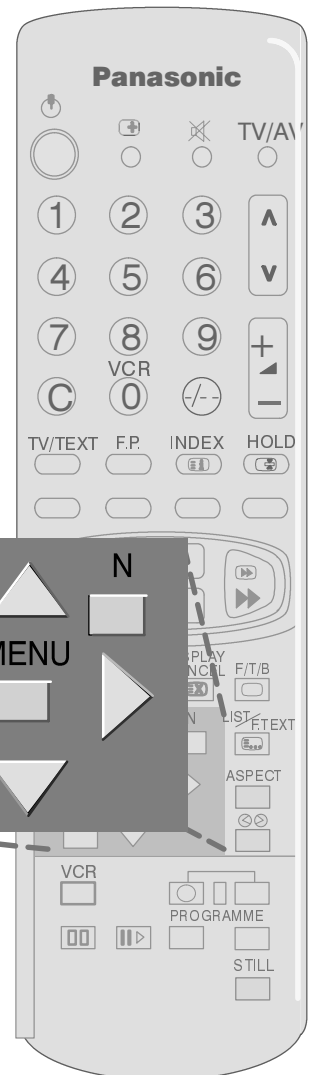
The **'STR'** key is used to store settings after your adjustment or choice has been made.



The **'N'** key is used to leave the menu system and return to the normal viewing screen.

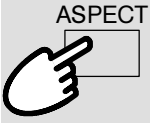


The **'HELP'** key will run a demonstration of the menus available.

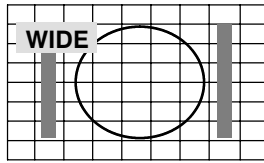


ASPECT CONTROLS

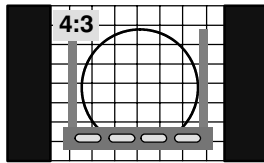
The widescreen TV will allow you to enjoy viewing the picture at its maximum size, including widescreen 'cinema format' pictures.



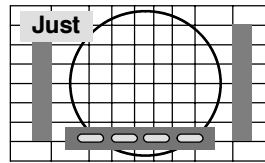
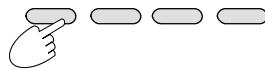
WIDE /
PANASONIC
AUTO



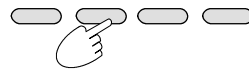
Some broadcasts are transmitted together with a wide screen identification signal (WSS). If the TV receives this signal then it will automatically switch to wide screen 16:9 mode, maximum display. The automatic widescreen switching depends upon reception conditions and the strength of the signal. If the signal is poor and therefore the WSS is weak then it is possible that the picture may not expand to full size and that the TV will display black areas around the edges.



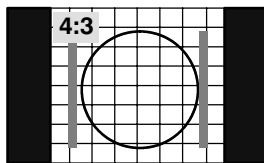
A 4:3 picture set to 4:3



A 4:3 picture switched to Just mode



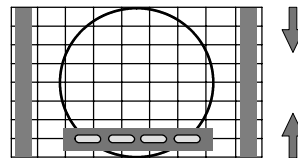
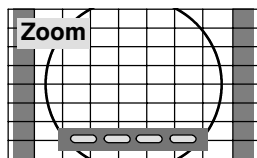
If the original source signal was a standard 4:3 aspect ratio then you might prefer to view in its original size; the red and green keys, that appear, will allow you to choose between viewing at standard 4:3 size or expanded in **Just** mode.



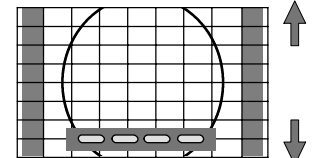
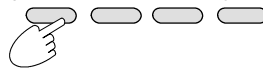
A 4:3 picture switched to its normal 4:3 viewing mode

4:3

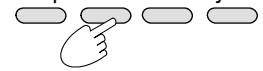
4:3 will display a 4:3 picture at its standard 4:3 size and can be selected if you wish to view in this format.



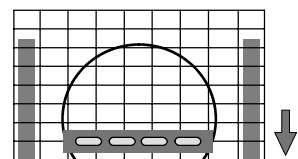
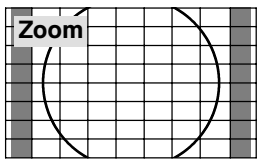
The red key will reduce the picture size vertically



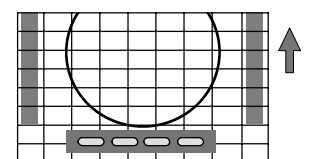
The green key will enlarge the picture vertically



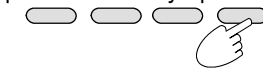
In **Zoom** mode the size of the visible picture may vary according to the aspect ratio of the original picture. The red and green keys allow you to adjust the size.



The yellow key will move the picture vertically downwards



The blue key will move the picture vertically upwards

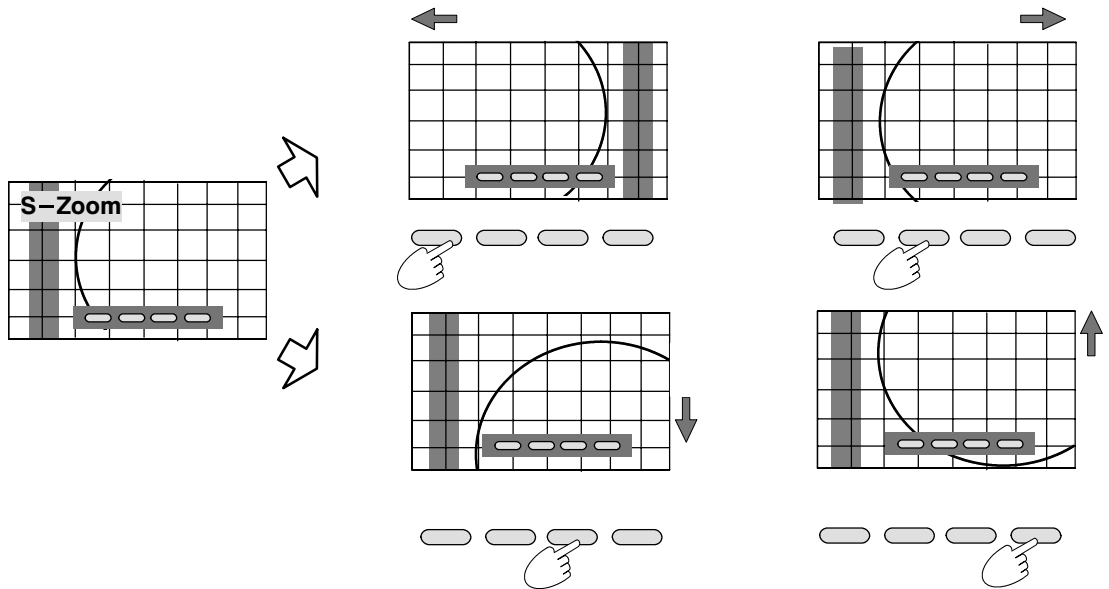


The picture can be moved vertically using the blue and yellow keys. The former adjustment is useful for viewing any sub-titles which may appear outside the picture.

Zoom

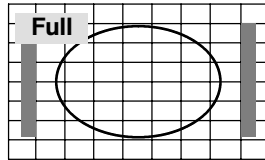
ASPECT CONTROLS

S-Zoom



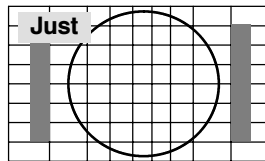
In **S-Zoom** mode the red and green keys will allow you to move the picture horizontally. The yellow and blue keys will allow you to move the picture vertically.

Full



Full will display the picture at its maximum size but with slight elongation.

Just

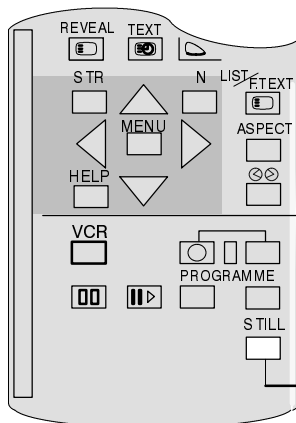


Just mode will display a 4:3 picture at maximum size but with aspect correction applied to the centre of the screen so that elongation is only apparent at the left and right edges of the screen. The size of the picture will depend upon the original signal.

NOTES:

- The on screen selector keys that appear for some aspect functions will clear after a few seconds. If you subsequently wish to select an operation then press the Aspect key once more for the keys to reappear.
- The widescreen aspect ratios of different films and programmes can vary. If these are wider than a standard 16:9 aspect picture then a black band may be visible at the top and bottom of the screen.
- If, in WIDE mode, you experience problems with the screen display size when playing back widescreen format recordings from your VCR then it is possible that the tracking control of your VCR require adjustment (your VCR instruction book will contain adjustment details).

STILL CONTROL



STILL Key

STILL

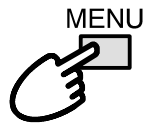
STILL Control

The STILL key allows you to freeze the picture at any time.

MAIN MENU

All menus start from the Main menu (except AV select and Tuning procedure (Front panel)).
You will also find the basic picture quality adjustments within this menu.

Open the Main menu



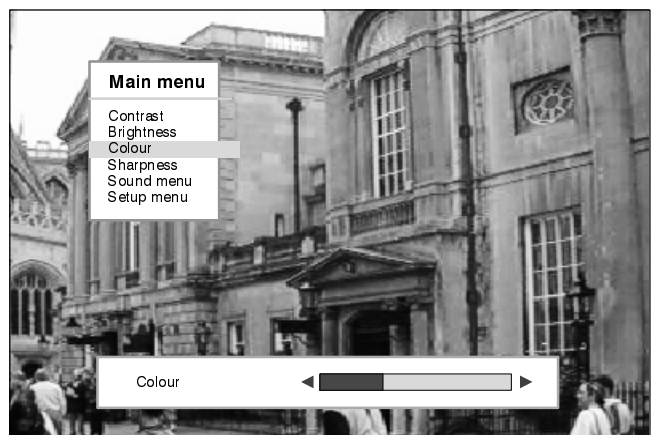
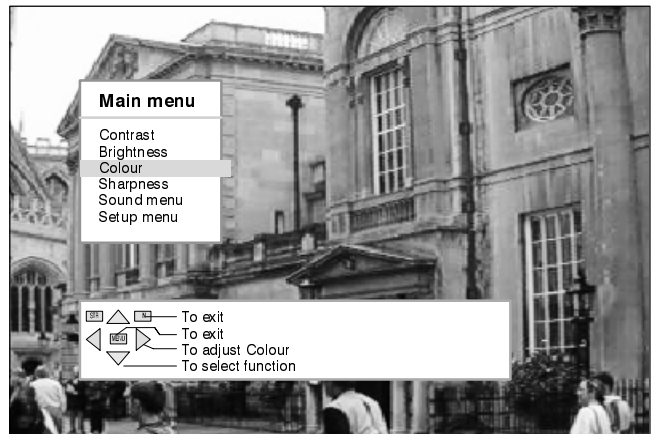
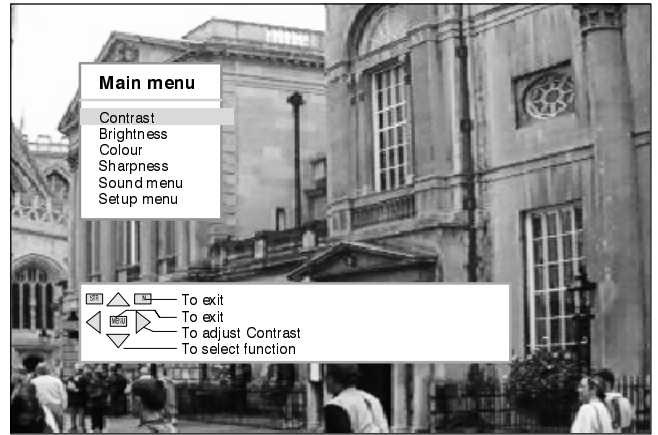
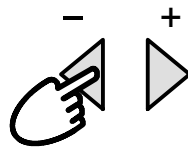
Move to your choice



Access your choice



Increase or decrease levels or move to the Sound, or Setup menus.



Contrast

The Contrast level of the TV can be adjusted, to suit the lighting conditions of the room, as necessary.

Brightness

The Brightness level can be adjusted to suit your viewing conditions.

Colour

The Colour level can be adjusted to your own preference.

Sharpness

The picture can be softened or sharpened to your own preference.

Tint

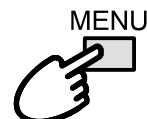
The Tint adjustment will only appear as a menu item if you have an NTSC signal source connected to the TV and will allow adjustment of the hue.

Sound Menu

Choosing the Sound menu will take you to that menu and allow adjustments to the sound quality.

Setup Menu

Choosing the Setup menu will lead to the Setup menu for various feature adjustments.

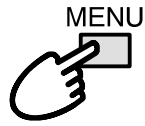


To close Main menu

SOUND MENU

The Sound menu will allow you to set your personal preferences for all aspects of sound quality

Open the Main menu



Move to Sound menu



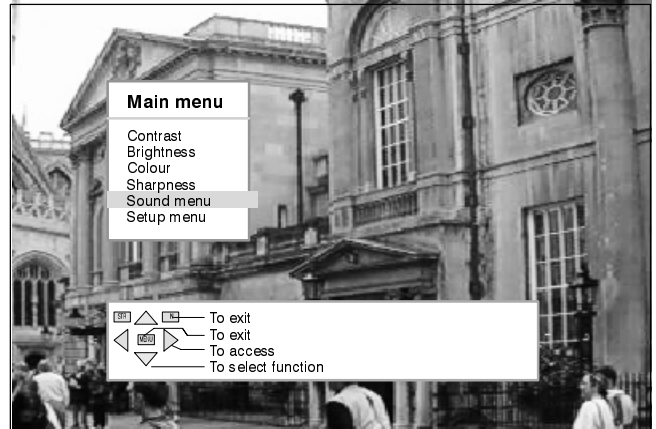
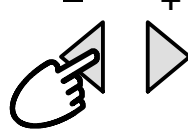
Access Sound menu



Move to your choice



Increase or decrease levels, choose from options or access the menus



Bass

Bass adjustment will emphasise the lower, deeper frequencies and can be increased or decreased.



Treble

Treble adjustment will emphasise the sharper, higher frequencies and can be increased or decreased.



Balance

(Only with Surround Off – see page 25). Balance affects the levels of sound between the left and right speakers. Adjustment can be made so that the level from between speakers will suit your listening position.



The headphone volume can be adjusted independently of the TV speakers so that everyone can enjoy listening at their own comfort level.



Nicam

Select On to provide stereo sound reproduction. Select Off for FM Mono sound output.

If Nicam Mono is being transmitted select either FM Mono (Off), Nicam Mono I (M1) or Nicam Mono II (M2). The options depend upon the signal being transmitted. If reception deteriorates it is advisable to switch to FM Mono (Off). When Nicam transmissions are not being received the sound will be FM Mono (Off) only.



3D Bass subwoofer

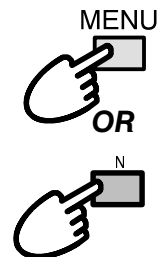
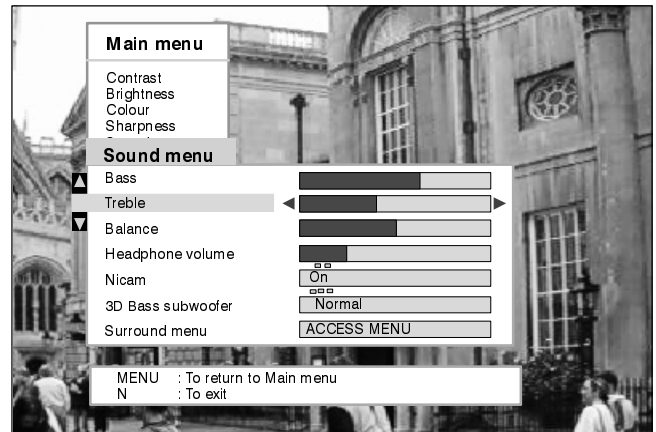
3D Bass subwoofer can be switched to Off, Normal, or Full for super deep bass response.

Surround menu

Leads to the Surround menu for Dolby Pro Logic and simulated modes of operation, as described on Pages 24 to 26.

Volume Correction

Volume Correction (in AV mode only) allows different volume levels to be set for TV and AV signals. See page 23.



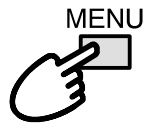
Return to Main menu

To exit menu system

SETUP MENU

The Setup menu provides access to various advanced features and also to the Tuning menu

Open the Main menu



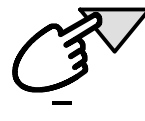
Move to Setup menu



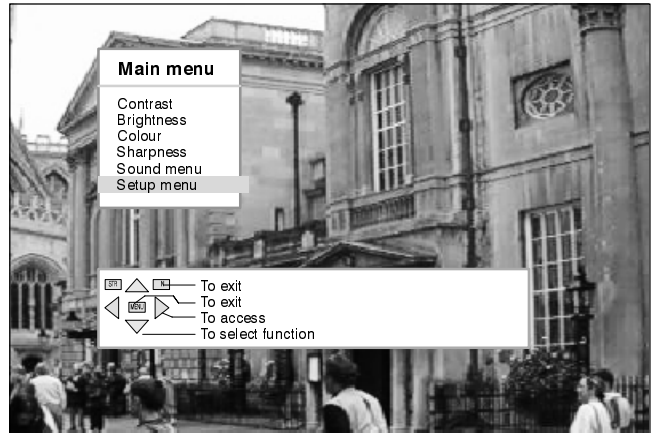
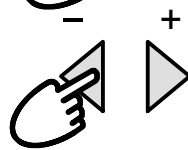
Access Setup menu



Move to your choice



Choose from options or access the Tuning menu.



AI

AI automatically analyses the incoming picture and processes it to give improved contrast, optimum field of depth and vivid colour tones. Choose either Off or On.

P-NR

P-NR will automatically reduce unwanted picture interference. Choose either Off or On.

AV2 out

AV2 offers you a choice of signals to send to the AV2 SCART socket. You can choose from the current TV programme position, the signal entering AV1/AV3/AV4 or monitor – the picture displayed on screen.

Off timer

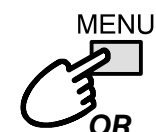
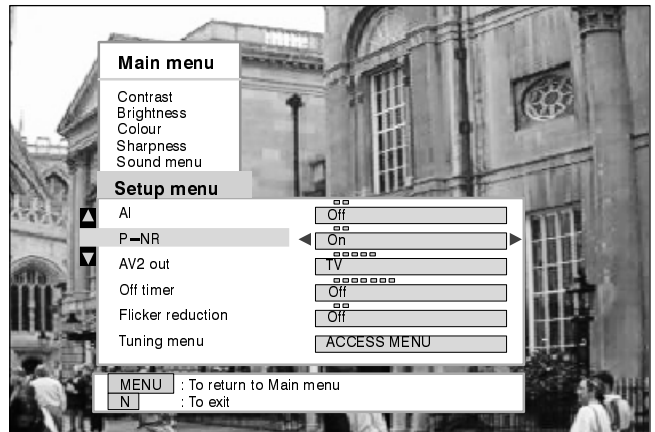
Off timer will switch the TV off within a preset time which you can choose from between 0 to 90 minutes in 15 minute intervals.

Flicker Reduction

You will normally find that **Flicker** is best set to ON to reduce any slight picture movement. However, it is possible that some occasional broadcasts may benefit by selecting the OFF position.

Tuning menu

The Tuning menu provides an entry to many other features including Programme edit, ATP and Fine tuning.



Return to Main menu

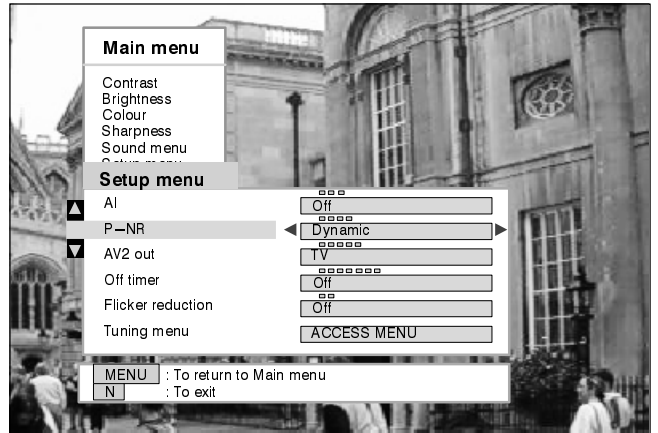
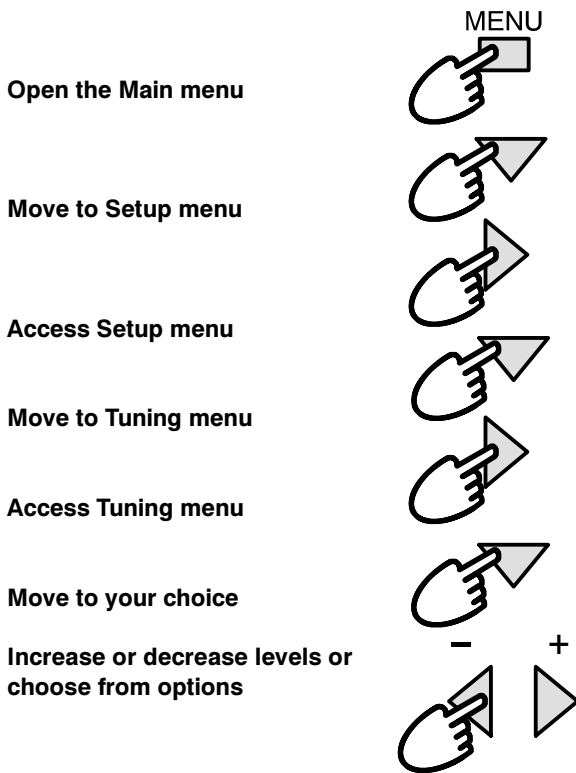
OR



To exit menu system

TUNING MENU

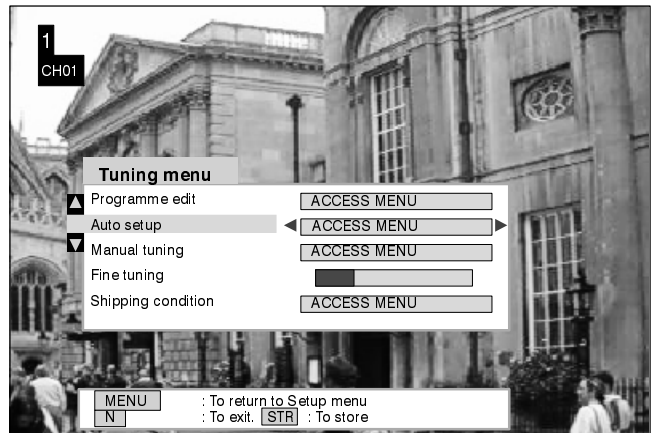
The Tuning menu provides access to both manual and automatic tuning menus



Programme edit Accessing Programme edit menu will allow stations to be moved, added, deleted, named, locked and provides access to the TV –system. Further details on page 15.

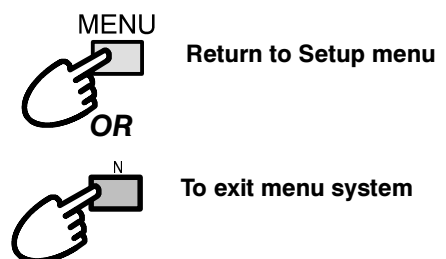
Auto setup The Auto setup menu allows you to automatically retune the TV. Further details on page 20.

Manual tuning The Manual tuning menu allows individual programme positions to be tuned manually. Further details on page 21.



Fine tuning Stations can be tuned finely using the Fine tuning adjustment.

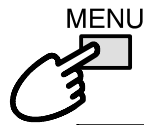
Shipping condition Allows you to clear all tuning information and reset all control levels back to factory settings. Further details on page 22.



TUNING MENU – Programme edit

The Programme edit menu allows you to delete, add, move, retune, name and lock channels and to change the TV-system

Open the Main menu



Move to Setup menu



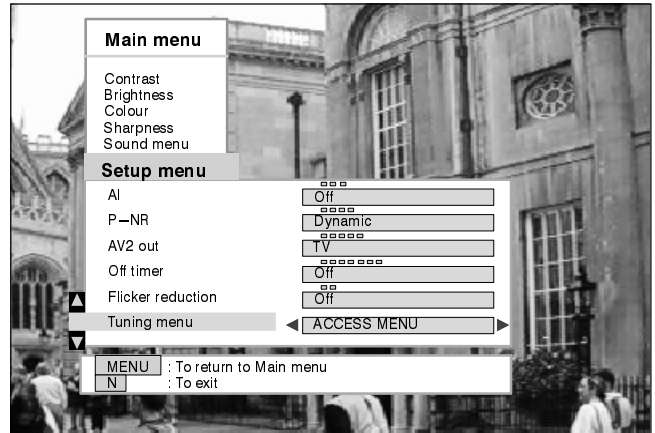
Access Setup menu



Move to Tuning menu



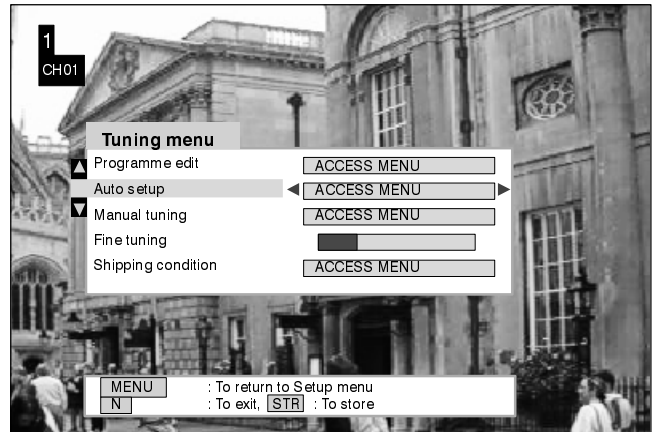
Access Tuning menu



Move to Programme edit



Access Programme edit



To delete an unwanted programme position

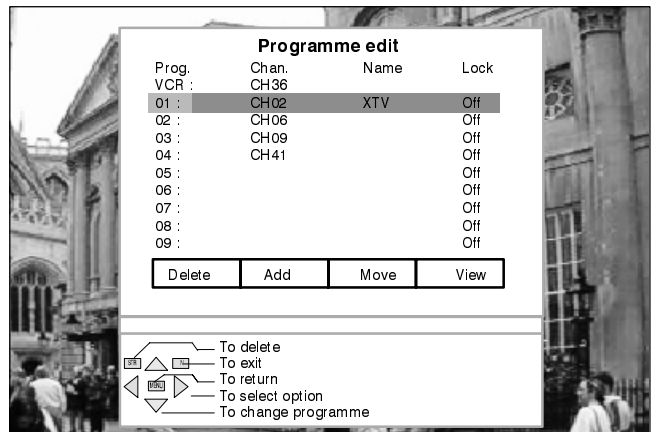
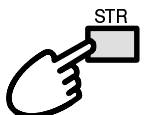
Choose the programme position



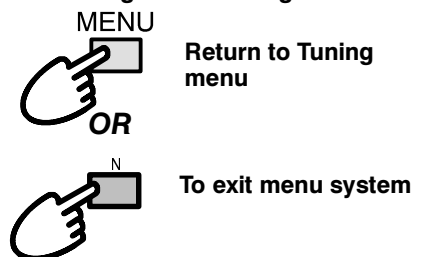
Press the red key on remote control



Press STR to delete



If you have completed changes to the Programme edit menu then



TUNING MENU – Programme edit

To add a programme position

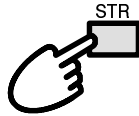
Choose the programme position



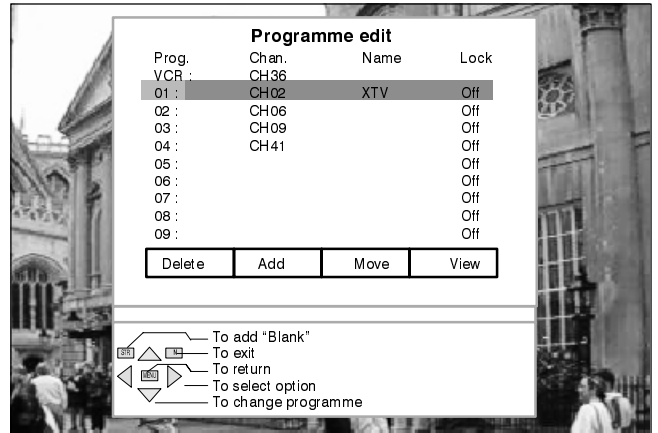
Press the green key



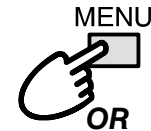
Press STR to add



This blank programme can then be tuned, named, or locked.

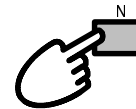


If you have completed changes to the Programme edit menu then



Return to Tuning menu

OR



To exit menu system

To move a programme to another position

Choose the programme position



Press the yellow key on remote control



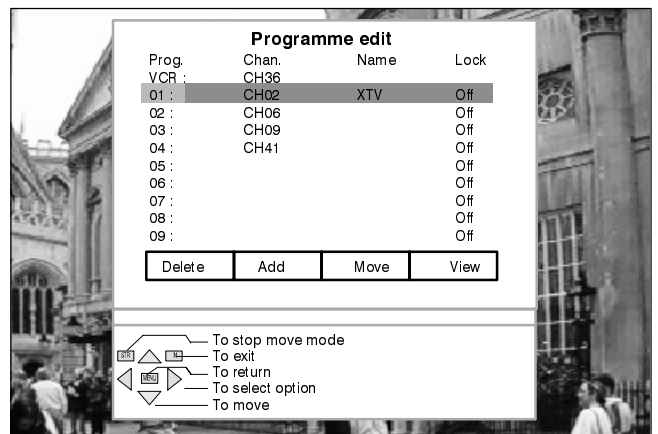
Choose new position



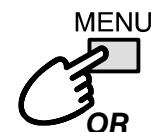
To action new position



Press STR to store



If you have completed changes to the Programme edit menu then



Return to Tuning menu

OR



To exit menu system

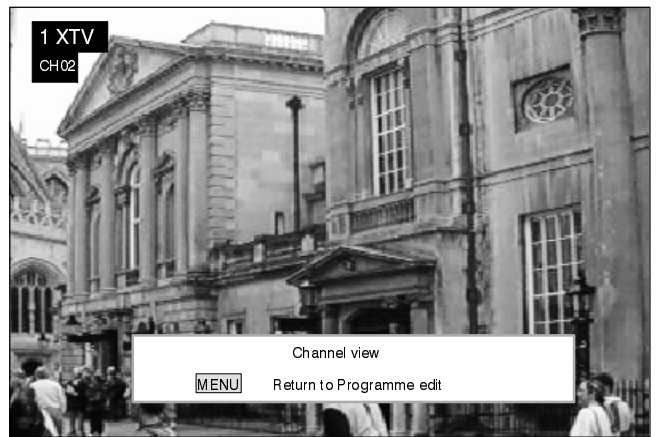
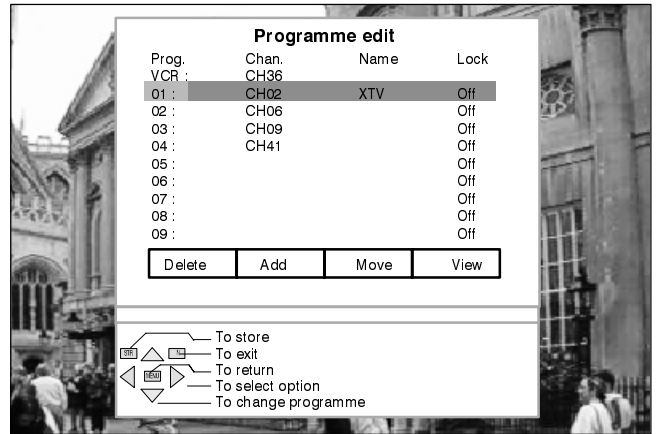
TUNING MENU – Programme edit

To view a programme position

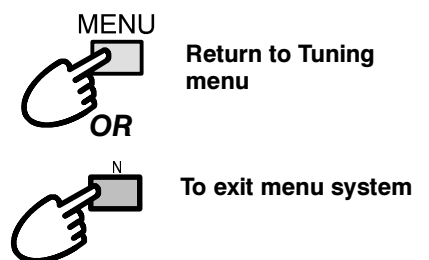
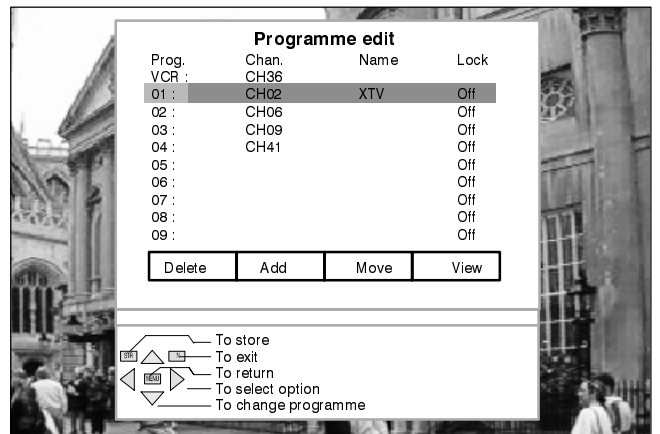
Choose the programme position



Press the blue key on remote control



The screen will return to Programme edit after a few seconds



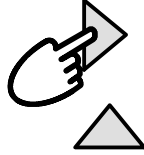
TUNING MENU – Programme edit

To tune a programme position

Choose the programme position



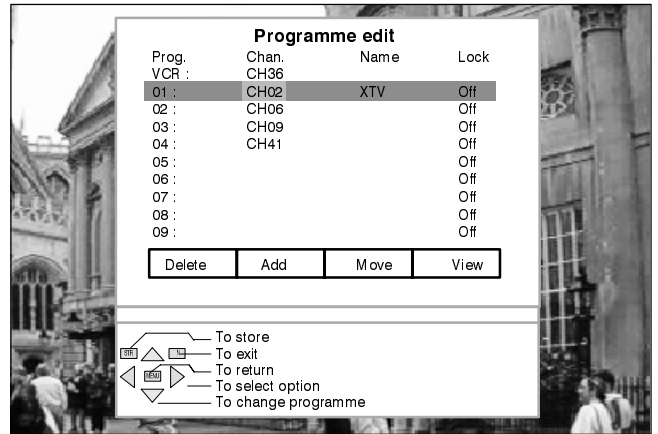
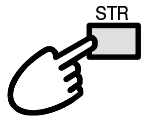
Move to the channel setting



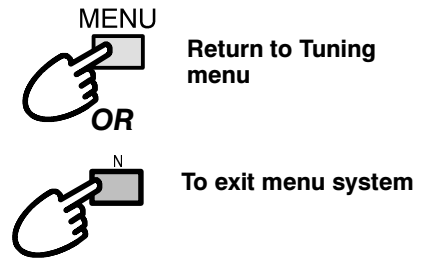
Increase or decrease channel number



Press STR to store



If you have completed changes to the Programme edit menu then



To rename a programme position

Choose the programme position



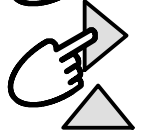
Move to the Name position



Choose the new character



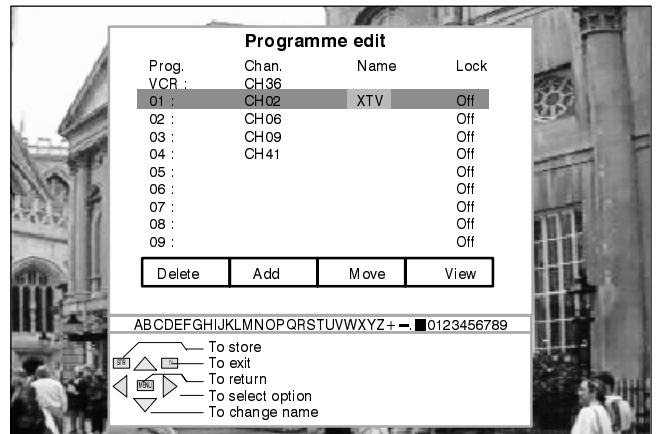
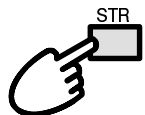
Move to the next character position



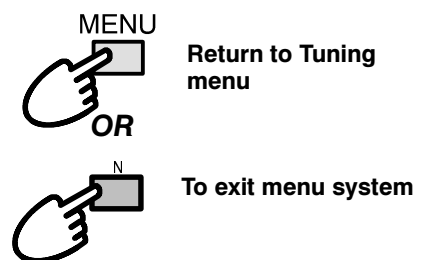
Continue until renaming is completed



Press STR to store



If you have completed changes to the Programme edit menu then



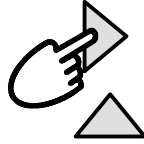
TUNING MENU – Programme edit

To lock a programme position to prevent access

Choose the programme position



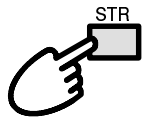
Move to the lock key



Choose between lock on or lock off

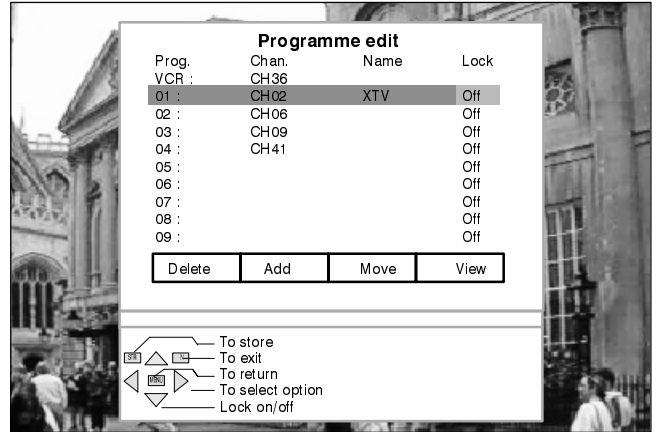


Press STR to store

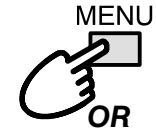


Access to the locked programme position is prevented.

When a programme position is locked, Direct Channel Access using the 'C' and numeric keys on the remote control is not available.

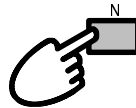


If you have completed changes to the Programme edit menu then



Return to Tuning menu

OR



To exit menu system



TUNING MENU – Auto Setup

The Auto setup menu will allow you to automatically retune the TV to your local stations. It is useful if you move to a different region.

Open the Main menu

Move to the Setup menu

Access Setup menu

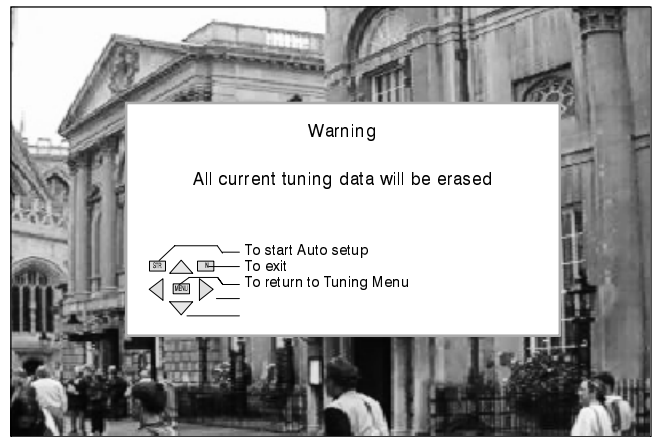
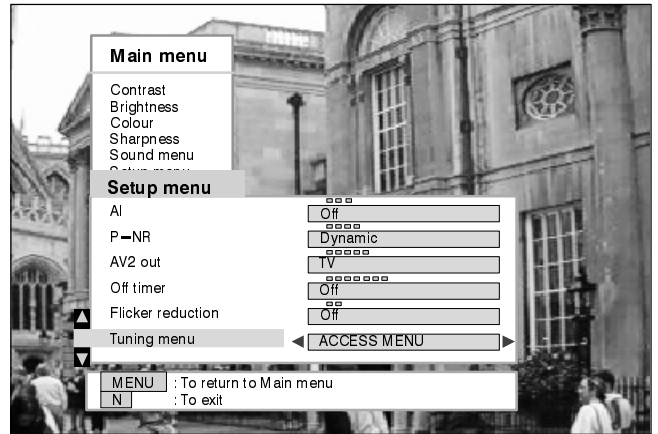
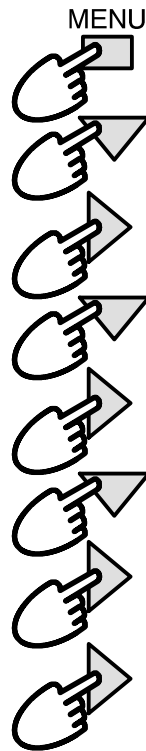
Move to the Tuning menu

Access Tuning menu

Move to Auto setup menu

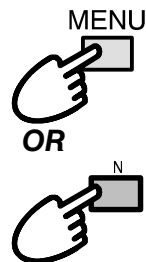
Access Auto setup menu

Press to start Auto setup

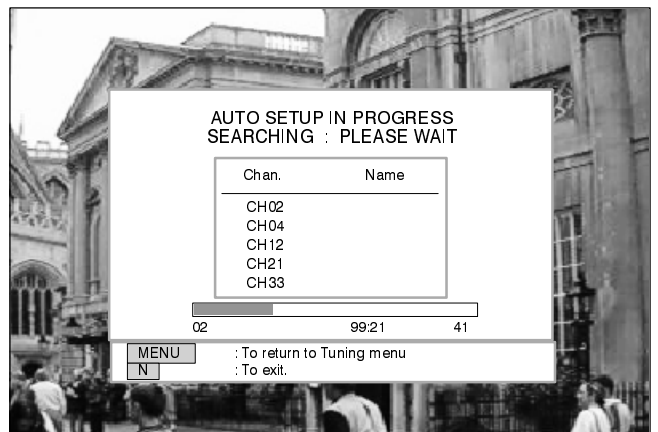


Press Menu to return

Press N to exit



Once this operation is completed the TV will display programme position 1.



TUNING MENU – Manual tuning

Manual tuning of the Programme positions is available either from the on screen display menu or from the front panel controls

Manual tuning menu

Open the Main menu

Move to Setup menu

Access Setup menu

Move to Tuning menu

Access Tuning menu

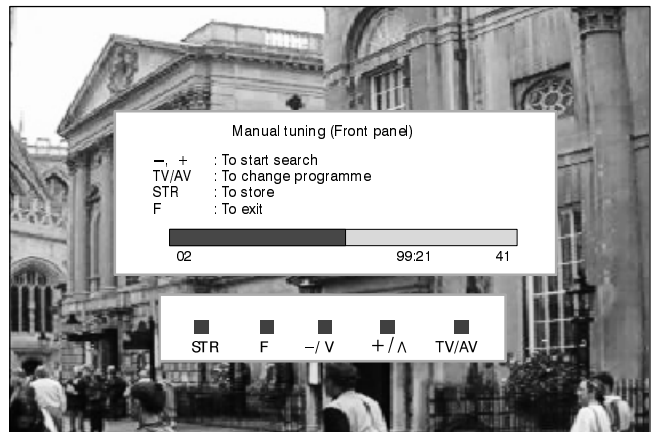
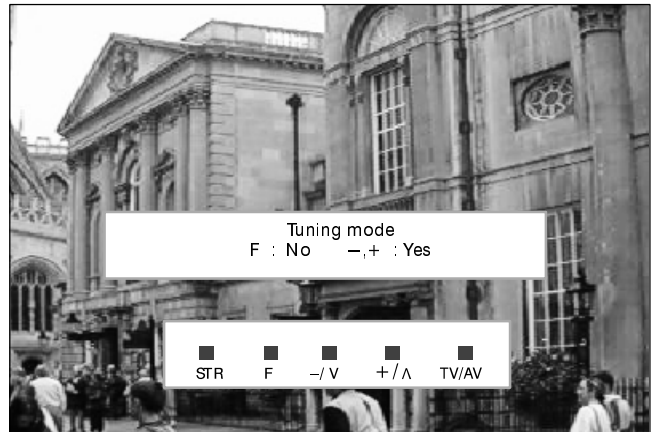
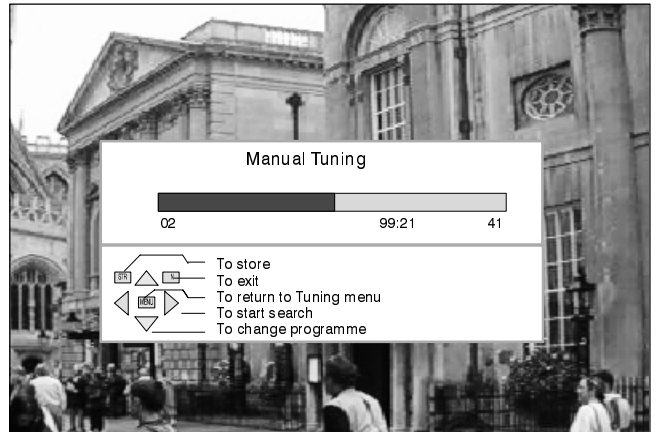
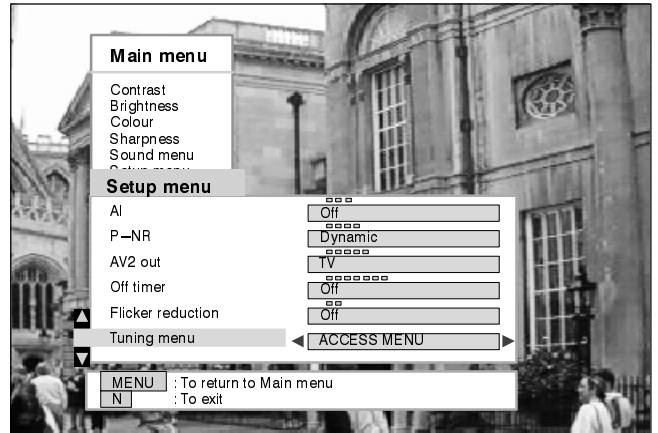
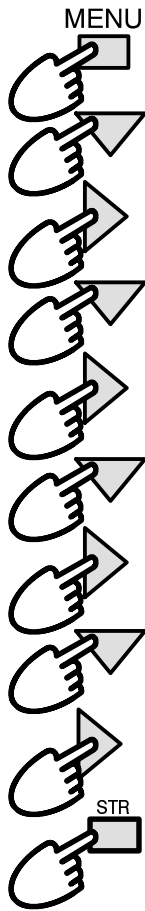
Move to Manual tuning

Access Manual tuning

Select the programme position

Start tuning

Press STR to store



Manual tuning (Front panel)

Press the F button (Front panel) until the Tuning menu is reached

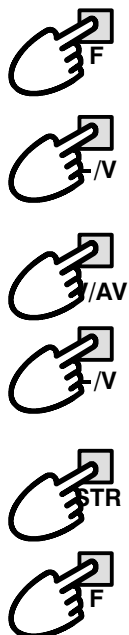
Press the - or + button to access Tuning menu

Press the TV/AV button to change to the required programme position

Press the - or + button to start the tuning search

Press STR to store changes

Press the F button to exit



TUNING MENU – Shipping condition

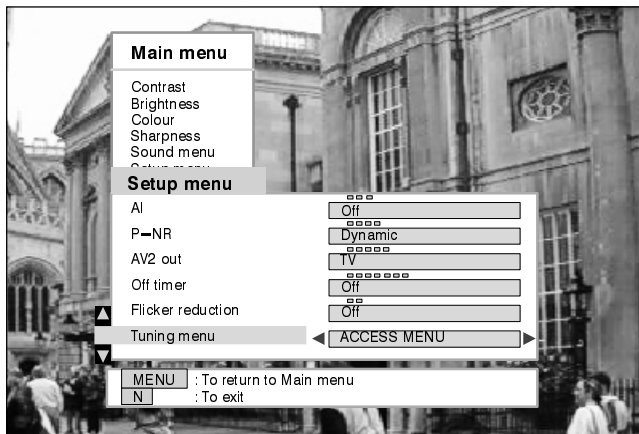
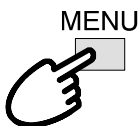
Shipping condition allows you to reset the TV to its original condition, i.e. no channels tuned in.

This is useful for example, if you move to a different area where you will probably want the TV to tune itself to the new local stations.

This can be done either through the **Shipping condition** menu or through the **Auto setup** menu.

The **Shipping condition** menu will reset all data, clearing all tuning information and resetting all control levels back to factory settings. You may need to adjust your VCR or programme position '0' VCR after operating the **Shipping condition** menu – refer to page 30.

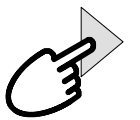
Open the Main menu



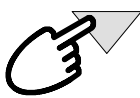
Move to Setup menu



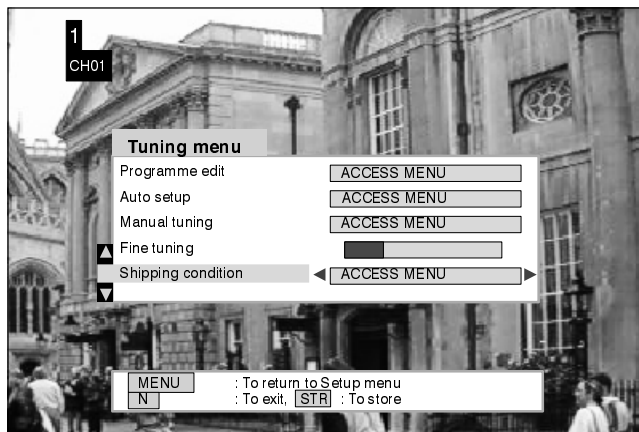
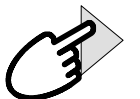
Access Setup menu



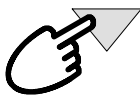
Move to Tuning menu



Access Tuning menu



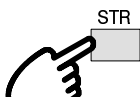
Move to Shipping condition



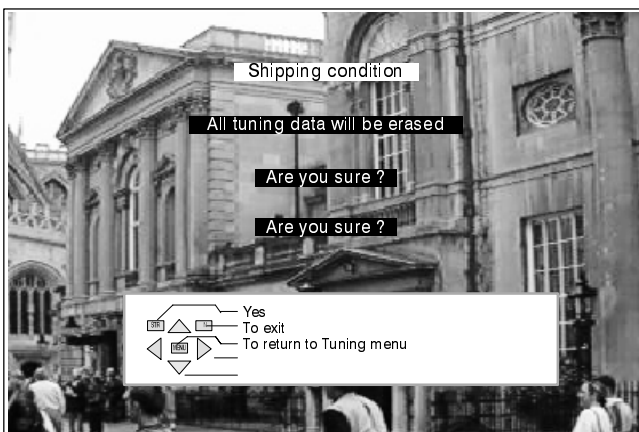
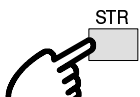
Access Shipping condition



Press STR to start



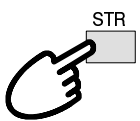
Press again, to confirm, when you are asked, "Are you sure?"



Switch TV off and wait for a few seconds.

Switch TV on again.

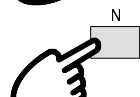
Auto setup tuning will begin, stations will be located, sorted and stored ready for use. See page 20 for details.



MENU



**Return to Tuning menu
OR**

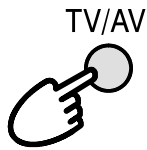


To exit menu system

AV SELECT and SETUP

The AV Select menu will allow you to choose which AV source to view.

Press the TV/AV key
(remote control or TV)



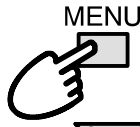
Press the appropriate coloured
key of remote control (whilst the
options remain on screen)



Press the green or yellow keys
again to select S-Video input

You may wish to make
adjustments to the Setup or Sound
menus

Open the Main menu



Move to Setup menu



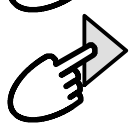
Access Setup menu



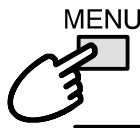
Move to your choice



Access adjustments or options



Open the Main menu



Move to Sound menu



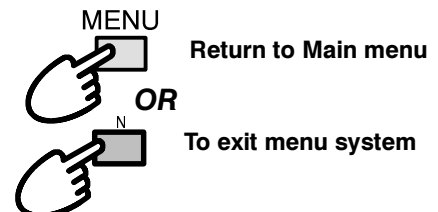
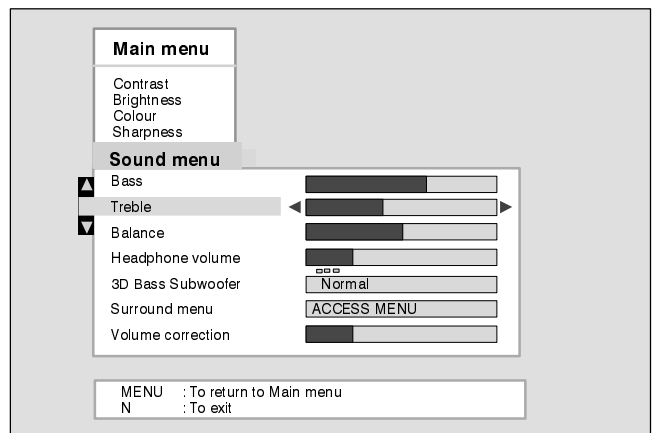
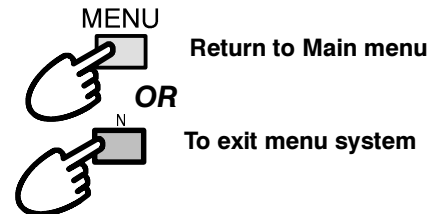
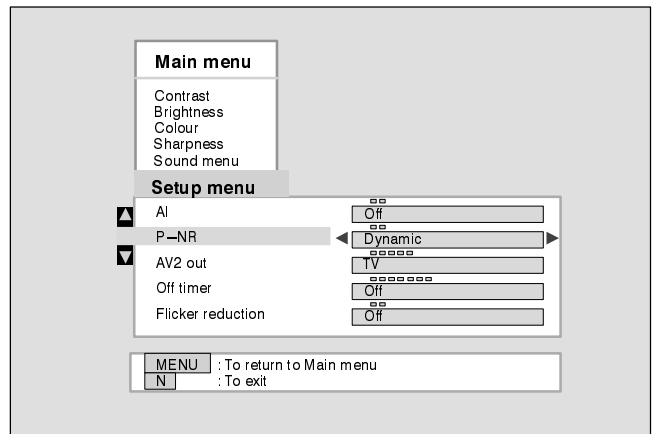
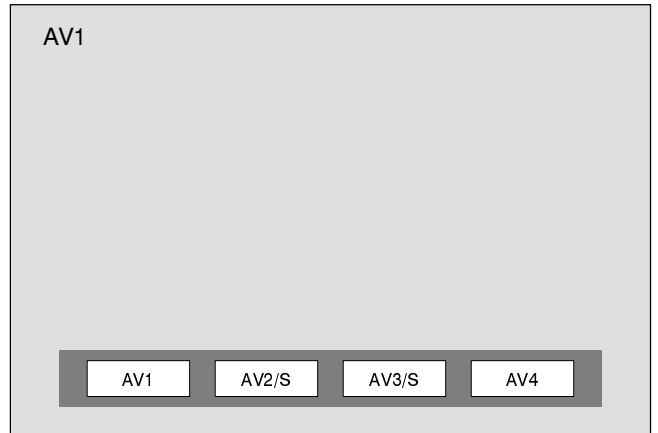
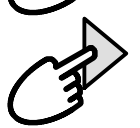
Access Sound menu



Move to your choice



Access adjustments or options



SURROUND MENU

Normally stereo reproduction uses left and right speakers, but **Dolby Pro Logic Surround** also uses a centre channel and a rear channel. The centre channel sharpens sound perspective and dialogue clarity whilst the rear channel is used to immerse the viewer in ambience and special effects.

To use **Dolby Pro Logic Surround** when receiving television programmes that have been produced with the **Dolby Pro Logic Surround** information, you must be able to receive NICAM Stereo transmissions, if NICAM Stereo transmissions are not transmitted in your area then the **Dolby Pro Logic Surround** information will not be present and it will not be possible to use Pro Logic operation (unless you are playing back from a stereo VCR).

Dolby Pro Logic Surround will operate with videos, laser discs and TV programmes that bear the **Dolby Surround** logo :



Open the Main menu

Move to Sound menu

Access Sound menu

1. Move to Bass setting
Adjust to centre position

2. Move to Treble Setting
Adjust to centre position

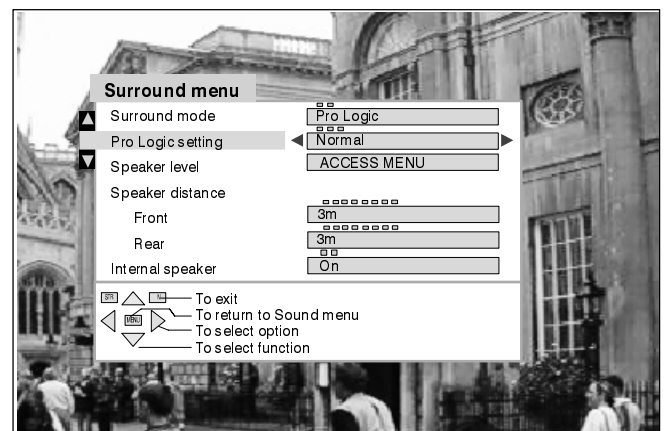
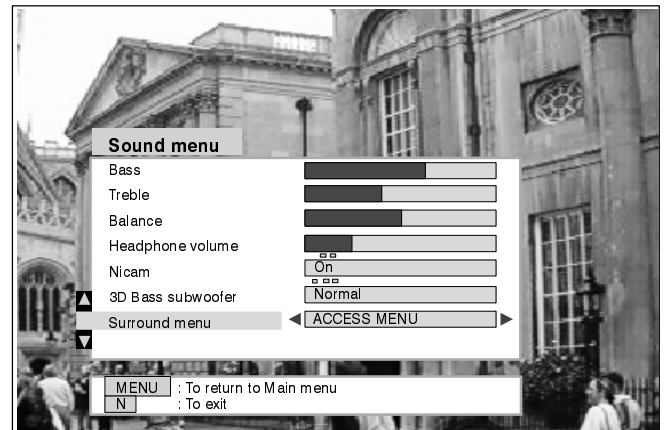
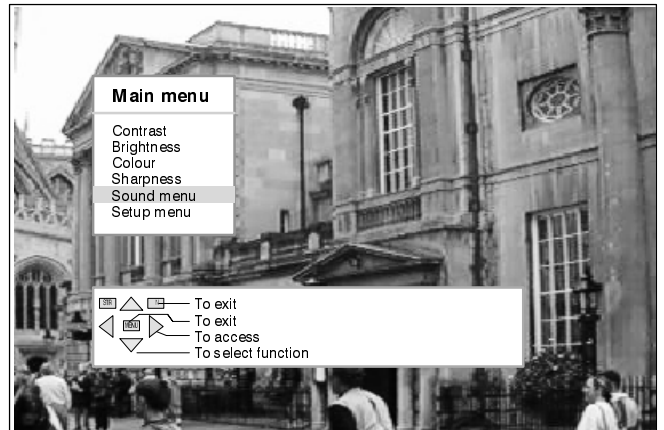
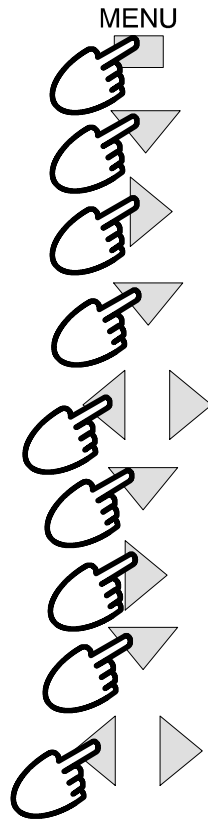
3. Move to 3D Bass subwoofer
Adjust to Normal position

Move to Surround menu

Access Surround menu

Move to your choice

Choose from options or access the speaker level menu.



Surround mode



**Pro Logic /
Simulated setting**

**Speaker
level**

Choosing Pro Logic allows selection of Normal, Phantom or 3 Stereo modes, as described on Page 25.

Choosing Simulated allows selection of Disco, Movie or Stadium modes, as described on Page 26.

Allows adjustment of the output levels for each channel, as described on Page 26.

**Speaker distance
Front / Rear**

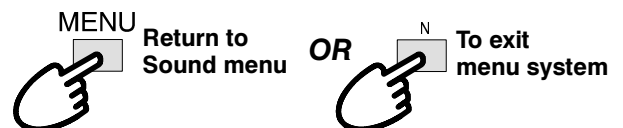


Allows setting of the distance from the listening position to the front and rear speakers. If the rear surround speakers are closer to you than the centre speaker, you may hear dialogue "leakage" from the rear surround speakers. It may be necessary to reduce the output level of the rear channel to rectify this phenomenon.



Internal Speaker

Normally set to **On**, but, when separate external amplified front speakers are connected, then the internal speakers can be switched **Off**. See Page 33 for connection details.

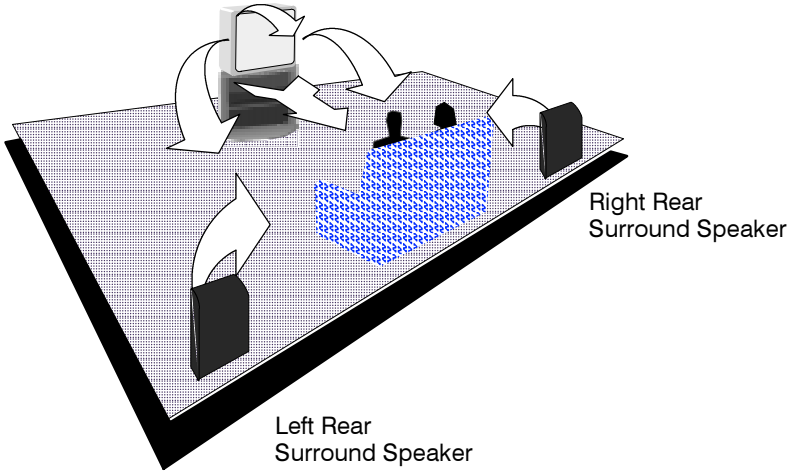


PRO LOGIC MODE


Choosing Surround Pro Logic mode allows three possible modes of operation :

Normal, Phantom or 3 Stereo.

Dolby Surround Pro Logic **Normal** mode



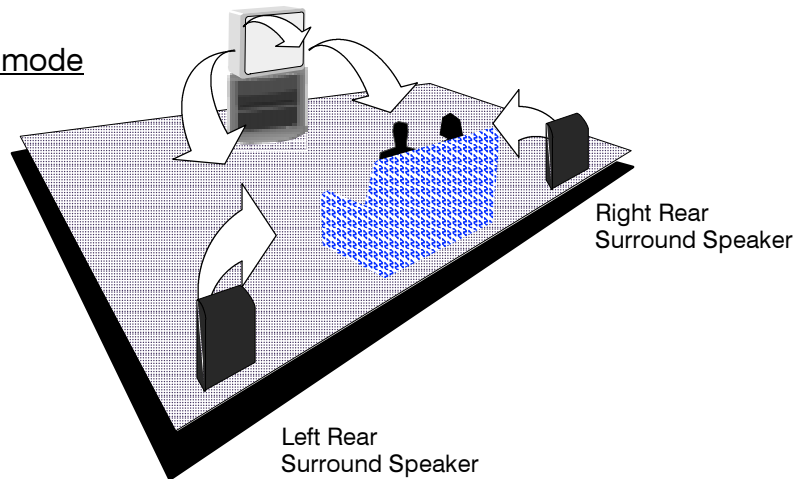
NOTE



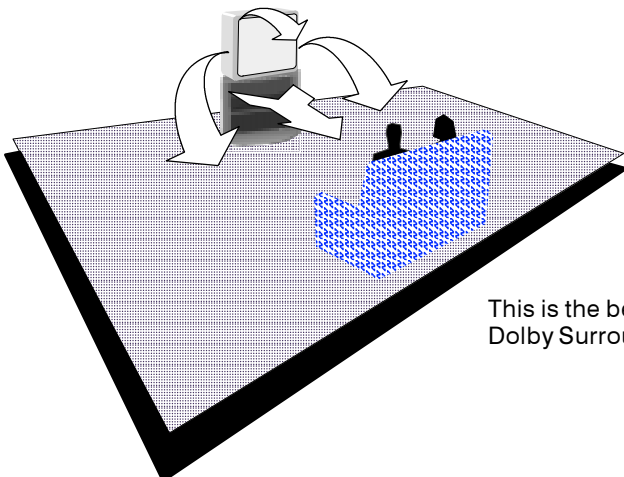
Pressing the Surround switch will switch the surround mode into 2 channel stereo only (and vice-versa)

When the Surround function is switched to the Off position, it will allow a Balance control as an extra option in the sound menu.

Dolby Surround Pro Logic **Phantom** mode



Dolby Surround Pro Logic **3 Stereo** mode



This is the best mode to use if rear speakers are not connected. It offers Dolby Surround Pro Logic effect but without the rear surround speakers.

SIMULATED MODE

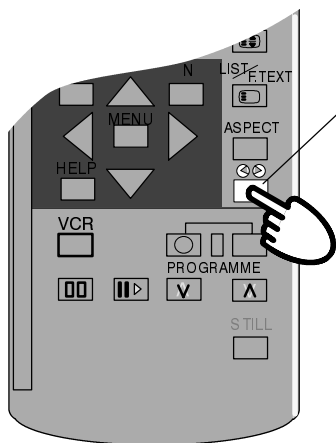
Simulated surround modes allow various types of surround effects to be produced by mimicking both the direct sound, as heard by the audience, and the sound reflected back from the surrounding walls e.g. ceiling and floor space in a space such as a Disco.

Setting	Effect	Appropriate sources
Disco	A room so full of music that it seems to engulf the listener.	Disco, Dance or Jazz music.
Movie	Playback of software (films) not encoded with Dolby surround.	All movies or music software recorded without Dolby surround.
Stadium	A large sports stadium packed for a live game.	Any live sports occasion.

SPEAKER LEVEL SETUP

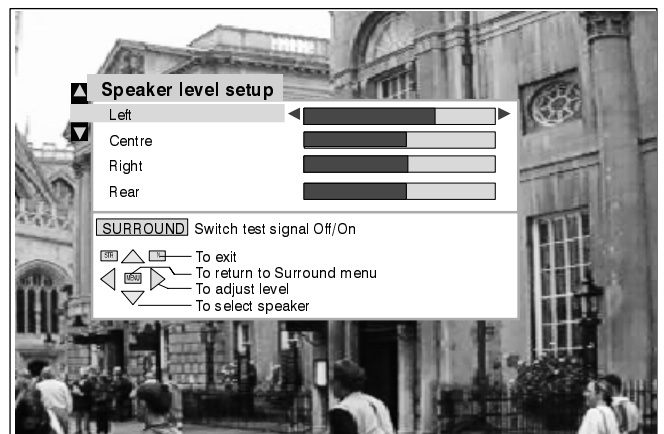
The speaker output levels from the different options, e.g. Left, Centre, Right and Rear should be adjusted, from your usual listening position, to obtain the best results. The level can be set using either the TV sound or the provided test signal. When using external stereo equipment, it is advisable to set the speaker levels to the midpoint position.

The adjustments available will vary according to the mode chosen.



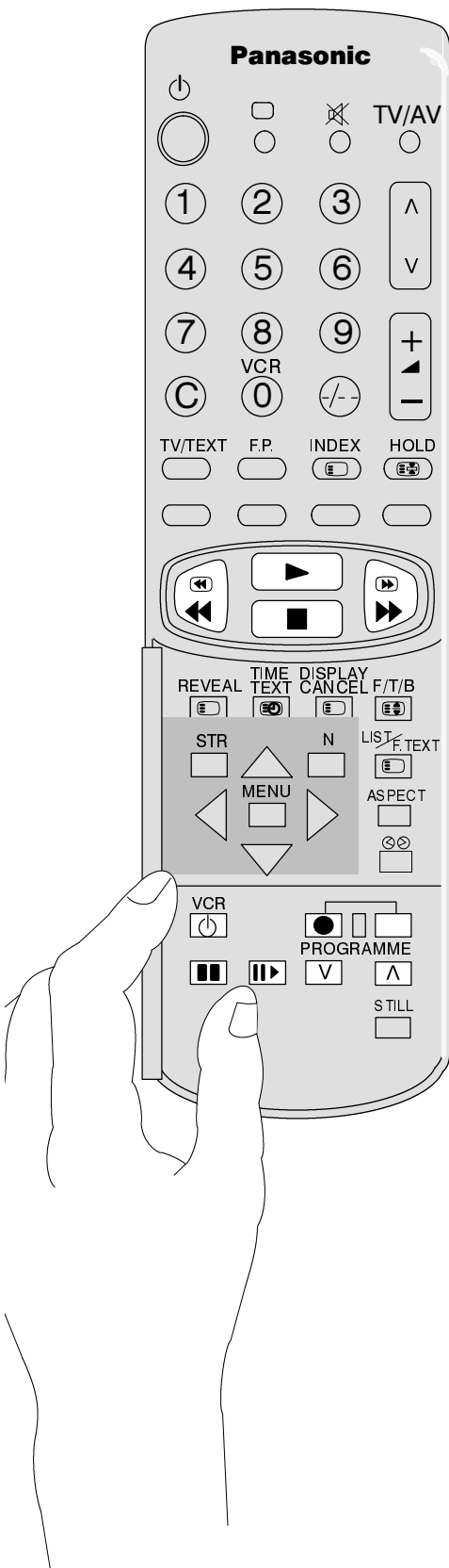
Surround switch
switches test signal
On / Off








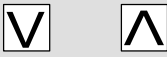

Speaker level setup shown in Pro Logic mode



VCR CONTROL

The Remote Control is capable of operating some functions of selected Panasonic VCRs, please consult your dealer for details. Some VCR have different functions, so to ensure compatibility, please refer to the VCR's instruction book.



<p>VCR</p> 	<p>Standby</p> <p>Press to switch the VCR to standby mode. Press again to switch back on.</p>
	<p>Play</p> <p>Press to playback the tape.</p>
	<p>Stop</p> <p>Press to stop the tape.</p>
	<p>Fast Forward / Cue</p> <p>Press to fast forward the tape. In Play mode, press to view the picture rapidly forward.</p>
	<p>Rewind / Review</p> <p>Press to rewind the tape. In Play mode, press to view the picture in reverse rapidly.</p>
	<p>Pause / Still</p> <p>Press in playback mode, the picture will pause.</p>
	<p>Still Advance</p> <p>While in PAUSE / STILL mode, press to advance the picture one frame at a time.</p>
	<p>Programme Up / Down</p> <p>Press to increase or decrease the VCR programme position by one.</p>
	<p>Record</p> <p>Press these together to record.</p>

TELETEXT OPERATION

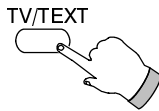
- Teletext features may vary depending on the Broadcasting Companies and is only available if the channel selected is transmitting Teletext.
- Pressing the **MENU** key whilst in Teletext operation will display the contrast function with a cyan bar, press ◀ ▶ to alter the setting as required.
- When in teletext mode, the volume may still be altered to the desired listening level.

What is LIST mode?

In LIST mode, four differently coloured page numbers are situated at the bottom of the screen. Each of these numbers can be altered and stored in the TV's memory.

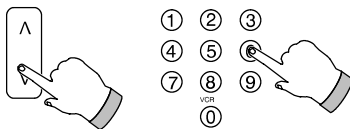
What is FASTEXT?

In FASTEXT mode, four differently coloured subjects are situated at the bottom of the display. To access more information about one of these subjects, press the appropriately coloured button. This facility enables fast access to information of the subjects shown.



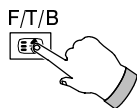
TV / Teletext mode

Press the **TV/TEXT** key.
The screen will display the Teletext page.
Press again when you wish to return to TV. mode.



Page Selection

Pages can be selected in two ways :
a. Press the Up / Down keys to increase or decrease the page number by one.
b. By entering the page number, using 0 –9 on the remote control.



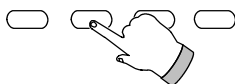
Full / Top / Bottom

Press to expand the **TOP** half of the page.
Press again to expand the **BOTTOM** half.
Press again to return to normal (**FULL**) size.



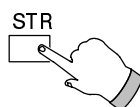
Reveal

Press to reveal hidden words e.g. quiz page answers.
Press again to hide.



Red / Green / Yellow / Blue keys

In **FASTEXT** mode these correspond to the differently coloured subjects.
In **LIST** mode they correspond to the differently coloured page numbers.



List Store

In **LIST** mode the four page numbers can be altered for channel positions 1 – 25 only.
To do this, press one of the coloured keys and enter the new page number.
Press and hold **STR**, the page numbers will change colour.

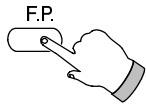
TELETEXT OPERATION

It is not possible to change the programme position when in News flash, Update or Sub Coded Page Access operation.



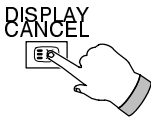
List / F.text

Press to change from FASTEXT mode to LIST mode and vice versa.
In FASTEXT mode four differently coloured subjects are displayed at the bottom of the page. Press the appropriate coloured key to access more information about one of these subjects.



Favourite Page (F.P.)

Stores a favourite page in memory for instant recall. To store such a page, the TV must be in LIST mode, and the programme position must be from 1 – 25. Press the **BLUE** key, select the page number, then press **STR**. The page number is now stored. Press **F.P.** to recall this page.



Display Cancel

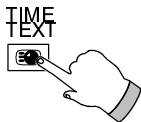
Press **DISPLAY CANCEL** to view the TV picture whilst searching for a Teletext page. When found, the screen will display the page number at the top left. Press **DISPLAY CANCEL** to view the page. Press **TV / TEXT** to return to normal TV operation.

News Flash

When a news flash page has been selected, press **DISPLAY CANCEL** to view the TV picture, when an update is received, it will be displayed on screen. Press **DISPLAY CANCEL** to remove updated news. Press **TV / TEXT** to return to normal TV. operation.

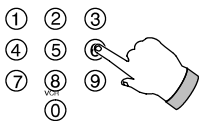
Update

Press **DISPLAY CANCEL** to see the update of information on certain pages. When an update is received, the page number will be displayed at the top left of the screen. Press **DISPLAY CANCEL** to view the page. Press **TV / TEXT** to return to normal TV. operation.



Sub Coded Page Access

When teletext information exceeds more than one page, it may take some time for the automatic changing of the sub pages to reach the sub page you require. It is possible to enter your required sub page and continue watching the normal programme until the correct sub page is found.
Select the required page number using keys 0 – 9.

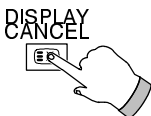


Press **TIME TEXT**, **** will be displayed (top right of the screen).

Enter desired sub page number before the **** disappears.
To select page 6 enter 0, 0, 0 and 6.

If in LIST mode, a 'T' will appear in the current box at the bottom.

Press **DISPLAY CANCEL** to view a normal TV programme.



When the page is available, press **DISPLAY CANCEL** to view the page.
To clear the page perform one of the following :

- Select a new page number.
- Press **TV/TEXT** to return to normal TV operation.



Index

Press **INDEX** to return to the main index page.

VCR AND SATELLITE RECEIVER INSTALLATION

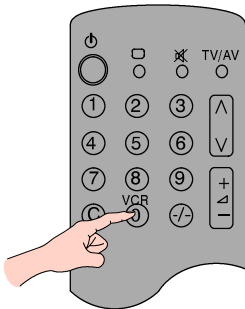
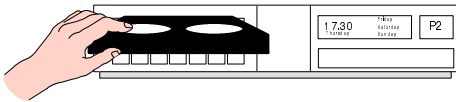
Your new TV is supplied with programme position '0' set to receive an RF signal from your VCR.

However, if for some reason your VCR is tuned to a different RF channel then you will not receive any picture or sound from your VCR on programme position '0' of the TV. It will be necessary to either adjust the RF channel of your VCR or to adjust the tuning of the TV's programme position '0' or both until it receives the RF output channel of your VCR.

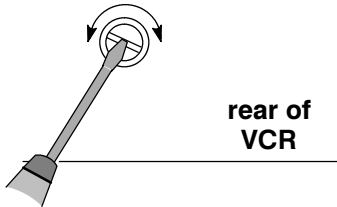
It is intended that this advice is used in conjunction with the instruction books for your ancillary equipment.

To connect a VHS VCR use the AV1 socket. To connect an S-Video VCR use the AV2 socket.

TO TUNE YOUR VCR TO THE TV



RF CHANNEL ADJUST



Note :
Some VCR's are capable of adjusting their RF channel via their remote control unit.



Insert recorded tape and select playback

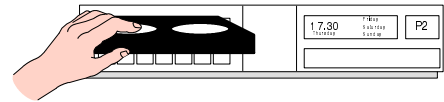
Set TV to programme position '0' VCR

Adjust tuning

Operation completed

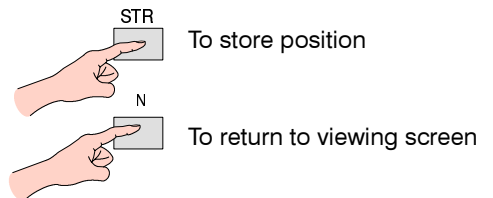
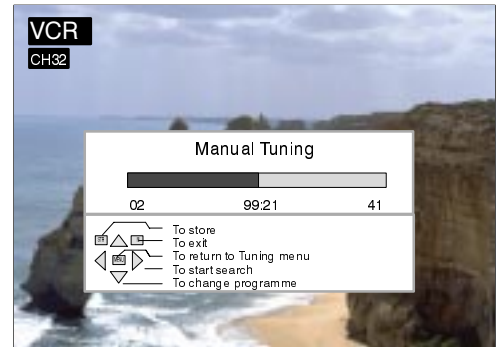
See below for installation of VCR and Satellite Receiver

TO TUNE YOUR TV TO THE VCR



Access the Manual tuning menu as detailed on page 21.

▼ ▲ To select programme position '0'
◀ ▶ To start search for VCR playback
Programme position and current channel are displayed top left of screen



To store position

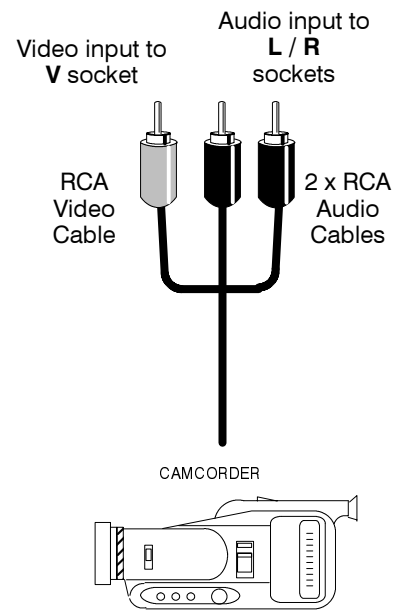
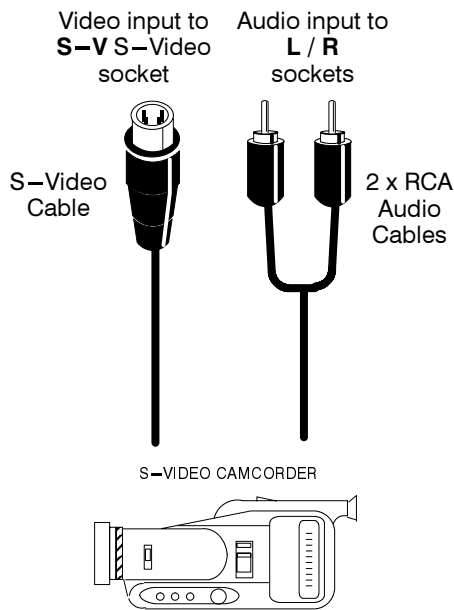
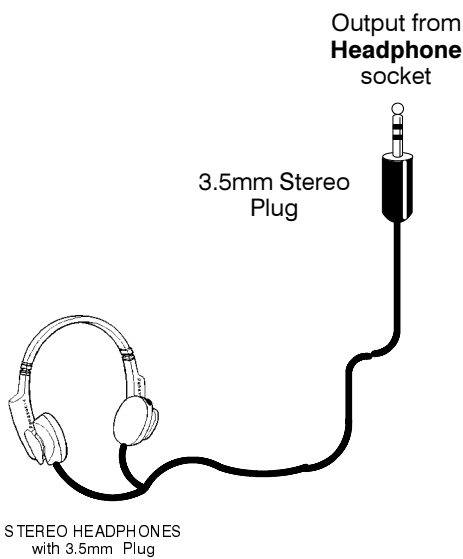
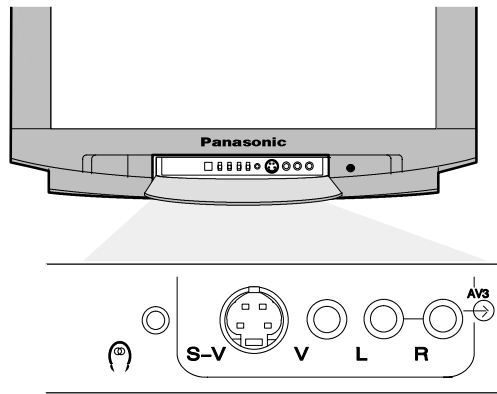
To return to viewing screen



If you are going to use a Satellite Receiver and a VCR **it is important**, to avoid tuning problems, that they are both tuned to output their signals on differing channels. For example, if your VCR is tuned to output channel 32, your Satellite Receiver could be set to output channel 34. Refer to your Satellite Receiver and VCR instruction books for precise tuning information.

AUDIO/VIDEO CONNECTIONS

Front AV3 4 Pin S-Video, RCA Audio /Video and Headphone Sockets

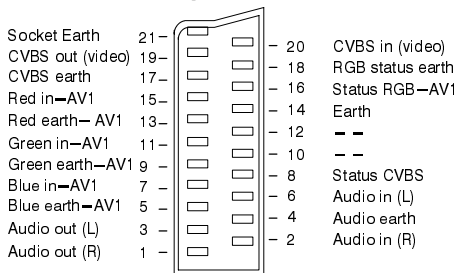


Notes :

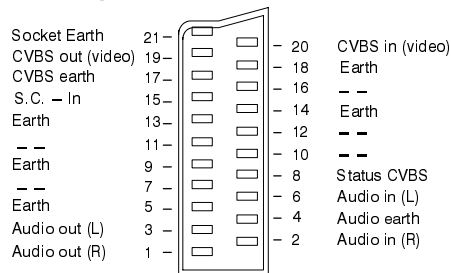
Ancillary equipment and cables shown are not supplied with this TV set.

■ SCART and S-Video Terminal Information

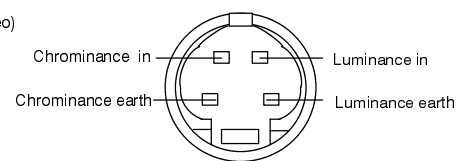
AV1 and AV4 21 pin SCART terminals



AV2 21 pin SCART terminal



S-Video 4 pin terminal

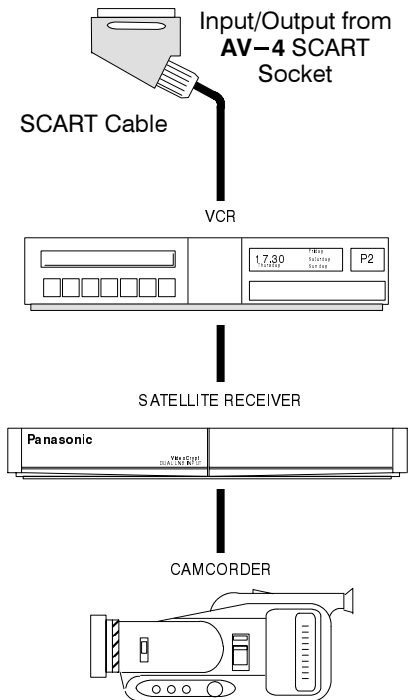
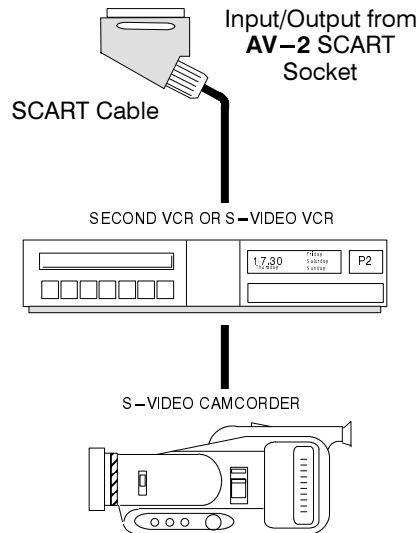
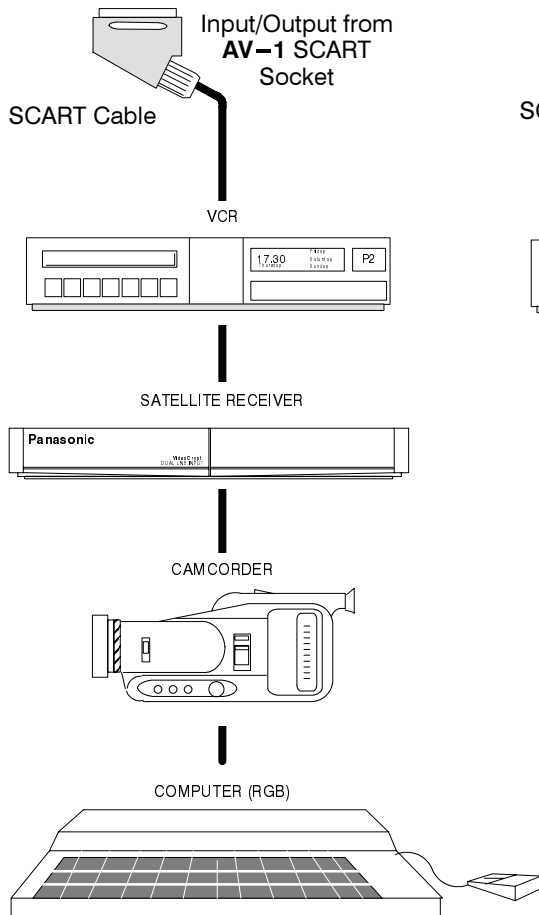
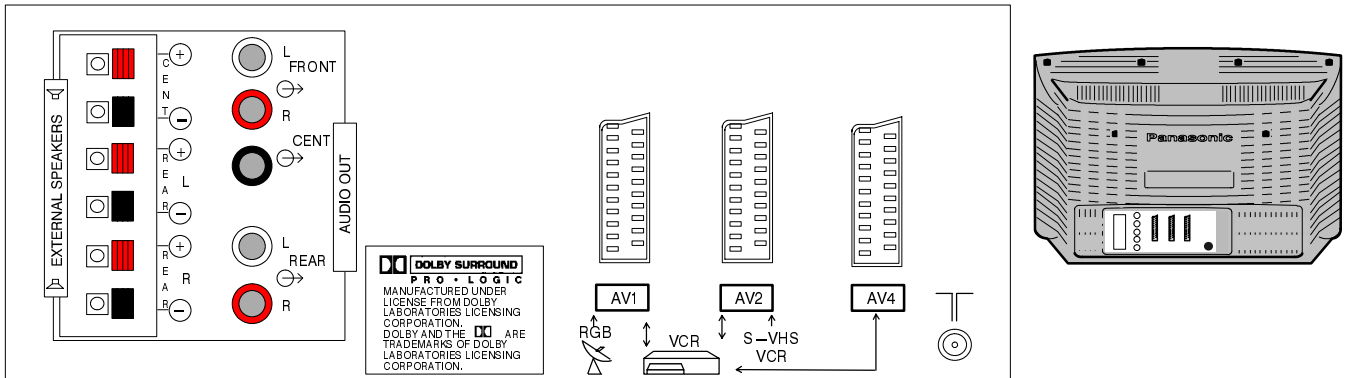


Suitable inputs for **AV1** include RGB (Red/ Green/Blue).
AV4 does not have RGB input capability.

AV2 - Pins 15 and 20 are dependent on AV2 S-VHS / VIDEO switching.

AUDIO/VIDEO CONNECTIONS

Rear AV1/AV2 (S)/AV4 21 Pin SCART and RCA Audio Out Terminals



NOTES:

Ancillary equipment and cables shown are not supplied with this TV set.

Do not connect a computer with TTL output (5V) to this set.

The AV2 21 pin terminal can also be used as an Output to Audio / Video Equipment (refer to page 13 for details).

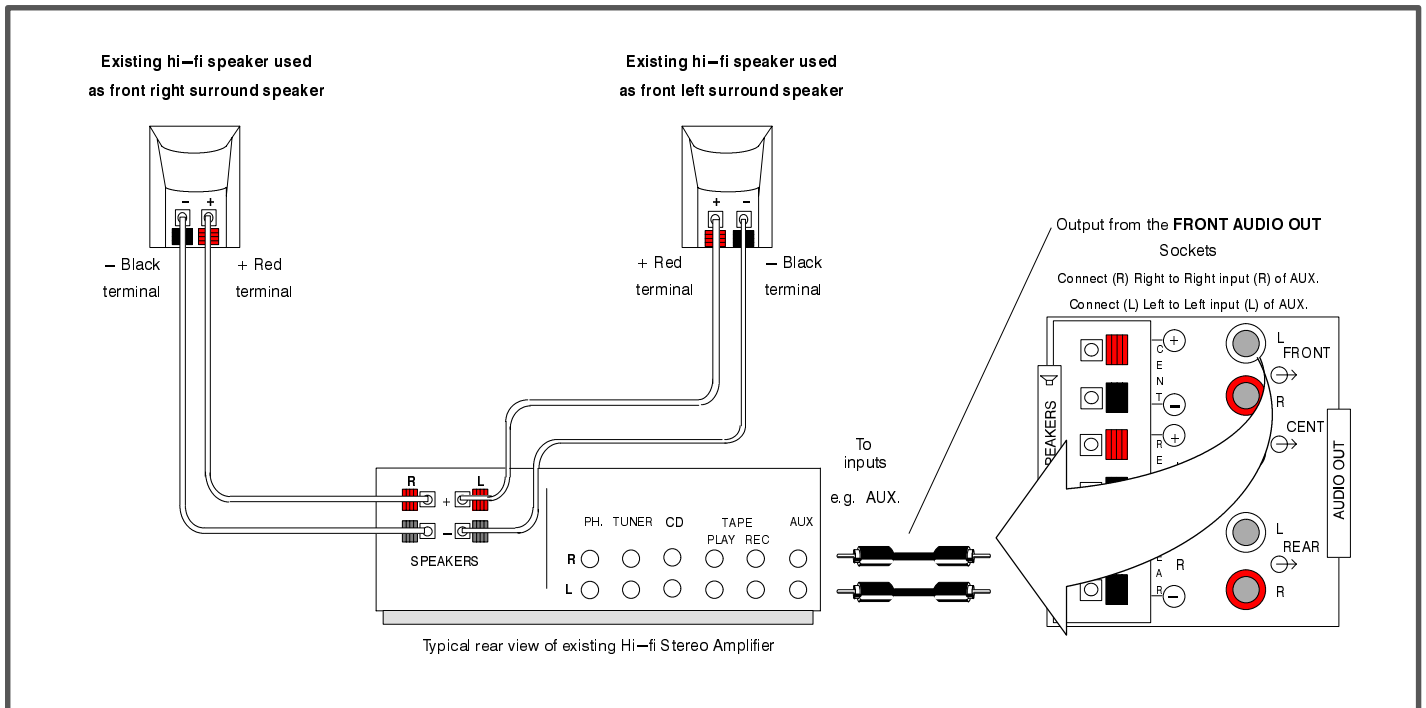
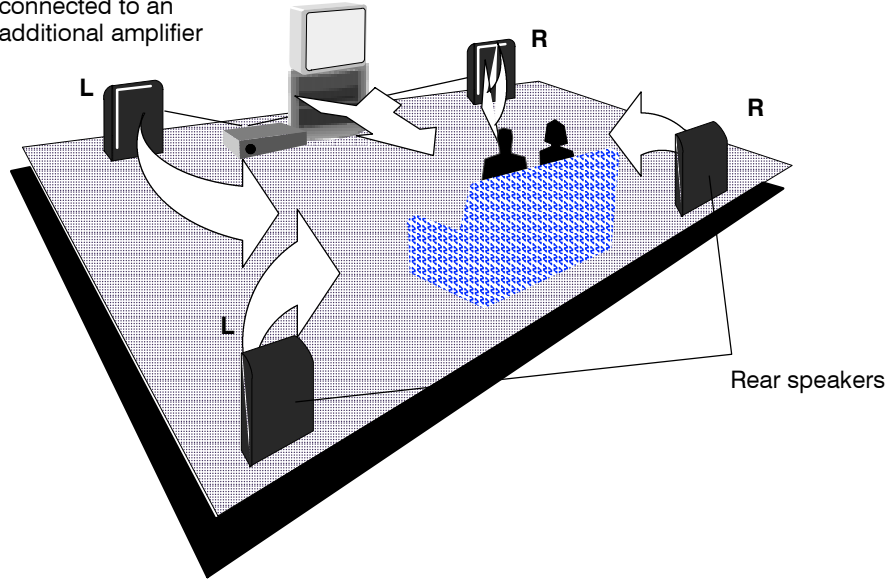
Audio out using external amplifiers and speakers

The **Audio Out** sockets on the rear of the TV allow you to create your own custom sound output system using additional external amplifiers and speakers. You may decide, for example, to use an external amplifier and speakers for the Front surround output.

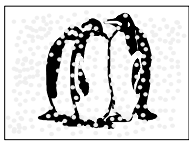
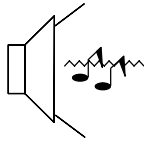

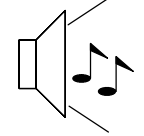
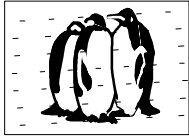
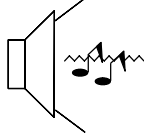

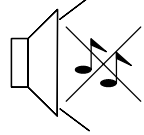

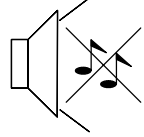
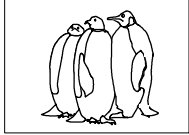
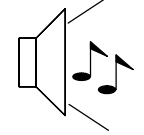
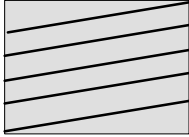
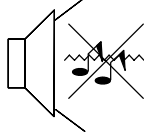

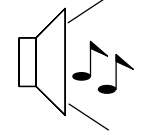
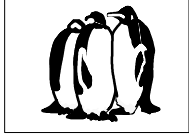
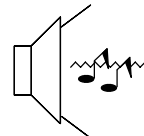
Utilising an existing stereo hi-fi system comprising one amplifier, connected to the FRONT DOLBY SURROUND OUT sockets and two speakers to allow separate front left and right channels.

The internal speaker can be switched off in the Surround menu.

External Front speakers connected to an additional amplifier



TROUBLE-SHOOTING

Symptoms		Checks
Picture	Sound	
 Snowy Picture	 Noisy Sound	Aerial location, direction or connection
 Multiple Images	 Normal Sound	Aerial location, direction or connection
 Interference	 Noisy Sound	Electrical appliances Cars / Motorcycles Fluorescent lights Switch on P-NR in Setup menu to reduce picture noise
 Normal Picture	 No Sound	Volume level Sound mute switched on
 No Picture	 No Sound	TV set to AV mode Not plugged into A.C. outlet Not switched on Picture / Sound controls set at minimum levels Check if in standby mode
 No Colour	 Normal Sound	Colour controls set at minimum levels
 Poor or Distorted Picture	 Weak or No Sound	Retune Channel(s)
 Coloured Patches	 Normal Sound	Magnetic Interference from unshielded equipment Receiver moved while switched ON, switch TV off for 30 minutes.
 Normal Picture	 Weak or distorted sound	Sound reception may have deteriorated. Switch Nicam setting (Sound menu) to Off until reception improves.

FOR YOUR GUIDANCE

■ Service

Before requesting service, please refer to the trouble-shooting guide on previous page to determine the symptoms. To obtain service please contact your local Panasonic dealer quoting the model number and serial number (both are located at the rear of the TV).

■ TV Games / Home Computers

Extended use of TV games or home computers with any television set can cause a permanent 'shadow' on the screen. This type of irreversible picture tube damage, can be limited by observing the following points:

- Reduce the brightness and contrast levels to a minimum viewing level.
- Do not operate the television set for a continuous period of time while using TV games or home computers.
- This type of picture tube damage, is not an operating defect, and as such is not covered by the Panasonic warranty.

■ Sleep Feature


If the set is not switched off when the TV station stops transmitting, it will automatically go to standby mode after 30 minutes. This function will not operate when the TV is in AV mode.

■ Last Position Memory


Certain functions have a last position memory, i.e. the setting at the time of switch-off will be the setting used when the receiver is switched on again:—

Programme	Tint (M.NTSC / NTSC only)
Contrast	Colour
AV Position	Sharpness
Volume	Aspect
Nicam	Standby
Bass	Brightness
Treble	Headphone volume
Balance	Flicker reduction
AV2 OUT selection	Artificial Intelligence (AI)
Status	P-NR
Speaker level setting	Speaker Distance
Surround mode	

SPECIFICATIONS

		TX-W32D3DP/L
Power Source		220 – 240V 50Hz A.C.
Power consumption		197W
Standby consumption 		1W
Picture Tube		76cm visible diagonal
Audio Output (Music)		Front Left / Right 20W x 2, Centre 20W, Surround 15W x 2, Subwoofer 26W
Dimensions	H W D	555mm 862mm 553mm
Weight (Kg)		52
Receiving Systems/ Band name	PAL I PAL 525/60 M.NTSC NTSC (AV input only)	UHF E21 – 69, VHF A1 – S20, S21 – S41 (Hyperband) Playback of NTSC tape from PAL Video recorders (VCR) Playback from M.NTSC Videorecorders (VCR) Playback from NTSC Videorecorders (VCR)
Aerial – Rear		UHF / VHF
Headphones – Front		3,5mm, 8Ω impedance
AV – Rear		AV1 – 21 pin terminal – Audio / Video in / out, RGB in. AV2 – 21 pin terminal – Audio / Video in / out, S-Video in, Selectable output. AV4 – 21 pin terminal – Audio / Video in / out
Dolby Surround Out – Rear		5 x Dolby Surround Out RCA External Speaker connections – 2 x Rear, 1 x Centre
AV – Front		AV3 – S-Video in, 2 x RCA Audio in, 1 x RCA Video in

Specifications are subject to change without notice. Weight and dimensions shown are approximate.

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