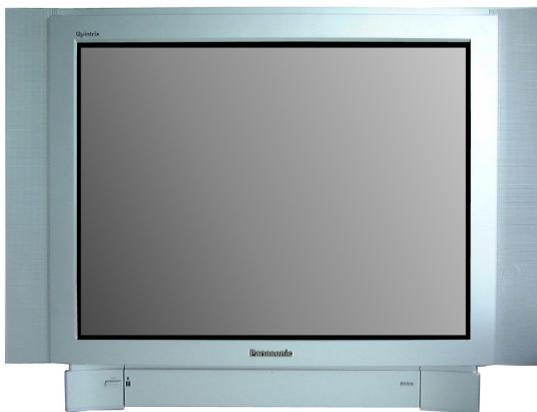
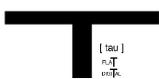


Panasonic



TX-29PS11D/M

Colour Television



**TOP
TEXT**



Quintrix F

100Hz
SUPER DIGITAL SCAN

Operating Instructions

English

TQB0E0088eng-M

this is an unapproved issue – for information only

WELCOME

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 allow you to use the TV as quickly as possible. You can then read the instructions completely and retain them for future reference.

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WARNINGS AND PRECAUTIONS

- This TV set is designed to operate on 220 – 240V, 50Hz A.C.
- To prevent damage which might result in electric shock or fire, do not expose this TV set to rain or excessive moisture.
This TV must not be exposed to dripping or splashing water and objects filled with liquid, such as vases, must not be placed on top of or above the TV.

■ 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. To prevent fire, never place any type of candle or naked flame on top of, or near the TV set.
- Ensure that the mains plug is easily accessible.
- The On/Off switch on this model does not fully disconnect the TV from the mains supply. 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 television receiver even when it is placed inside a cabinet or between shelves.

- Ventilation should not be impeded by covering the ventilation openings with items such as newspapers, table cloths and curtains.

■ ENVIRONMENT

Batteries, packaging and old equipment should not be disposed of as domestic waste, but in accordance with the applicable regulations.



■ 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.

Check that you have the accessories and items shown 

Operating Instruction book



Remote Control Transmitter (EUR 7628010)



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



Pan uropean guarantee



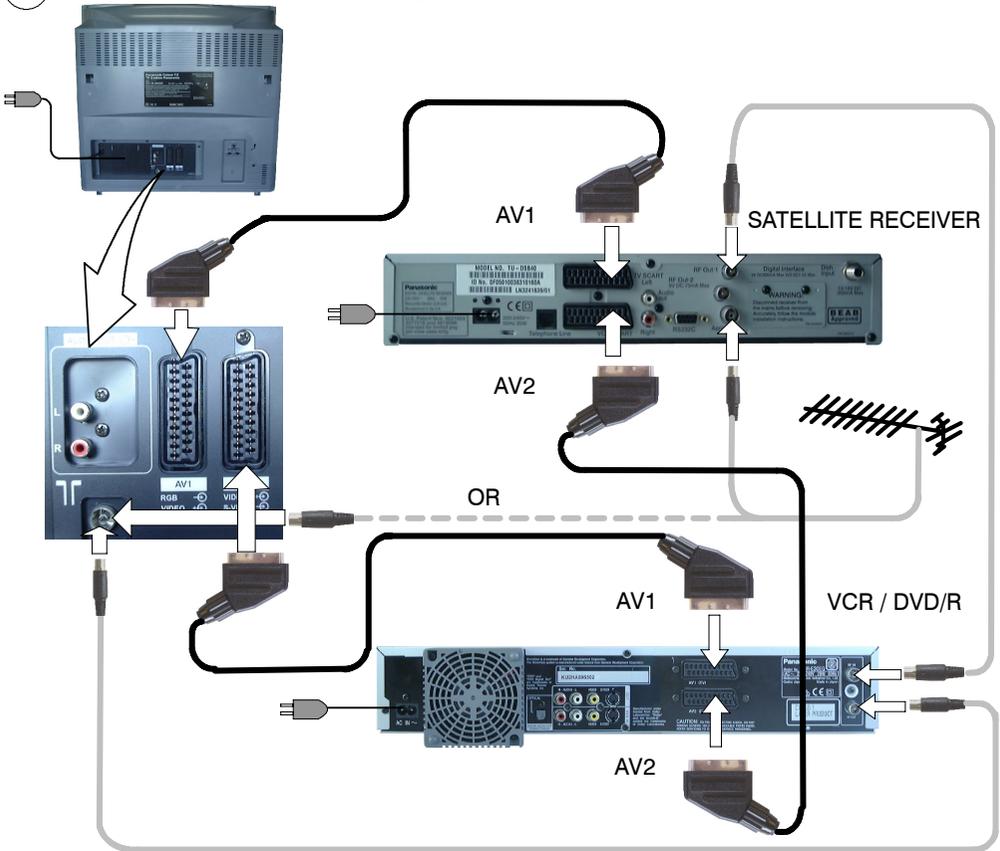
Remote control batteries



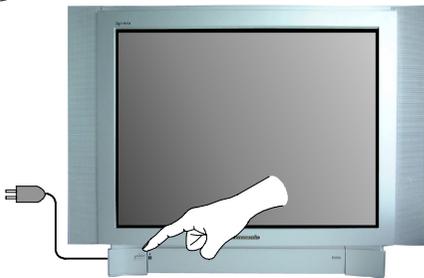
- Make sure that the batteries are fitted the correct way round.
- Do not mix old batteries with new batteries. Remove old, exhausted batteries immediately.
- Do not mix different battery types, i.e. Alkaline and Manganese or use rechargeable (Ni-Cd, Ni-MH) batteries.

QUICK START GUIDE

- 1 Plug in aerial and connect ancillary equipment.



- 2



First, ensure that the **VCR (DVD/R)** is in **Standby mode**.

Plug in TV and switch on.

3



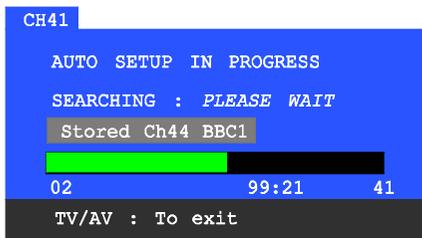
Select your country.



Press the red button



4



Auto setup will begin, your stations will be located and stored.

Use the Programme Edit menu to delete unwanted stations (see page 18).

Press the TV/AV button to exit.

TV/AV



5

If you are installing a new Q-Link compatible VCR (DVD/R), you can now switch it ON. Downloaded tuning data will match the television's.

If you are installing a new NEXTVIEWLINK compatible VCR (DVD/R), you will need to initiate download manually.

See the VCR (DVD/R) handbook for details.

- If the VCR (DVD/R) has not accepted download data from the TV, you may need to select the Download option from the VCR (DVD/R)'s menu.
- If Q-Link is not operating correctly, check it is connected to the television's AV1 or AV2 socket, the SCART lead is a "full function" type, and the VCR (DVD/R) is compatible with Q-Link, NEXTVIEWLINK or similar technologies. Ask your dealer for further details.
- For further information on Q-Link and connecting equipment, see pages 26, and 27.

6

Slight tilting of the picture may be noticeable or coloured patches may sometimes appear at the corners of the screen (colour purity). The Geomagnetic Correction feature can be used to eliminate them, if necessary:

First, ensure the ATP and Q-Link download procedures are complete. The screen should not be showing any On-Screen Display menus.

Using the remote control keys indicated, access the **Geomagnetic Correction** menu option and follow the procedure below (for a full explanation of the On Screen Display menu system see page 10) :

QUICK START GUIDE

Press the **MAIN** menu button



Move to the **SETUP** menu option



Access the **SETUP** menu



Move to the **Geomagnetic** menu option



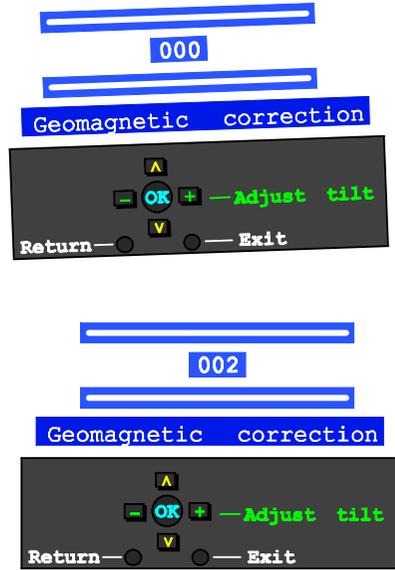
Access the **Geomagnetic** menu



Adjust the picture tilt as necessary



Press the TV/AV button to exit



The function 'geomagnetic correction' is also accessible from the front panel.

Press and release here to open flap



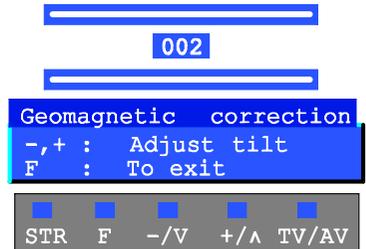
Press the **F** button repeatedly until the Geomagnetic Correction feature is displayed.



Press the **+** or **-** buttons repeatedly until the picture appears to be level.



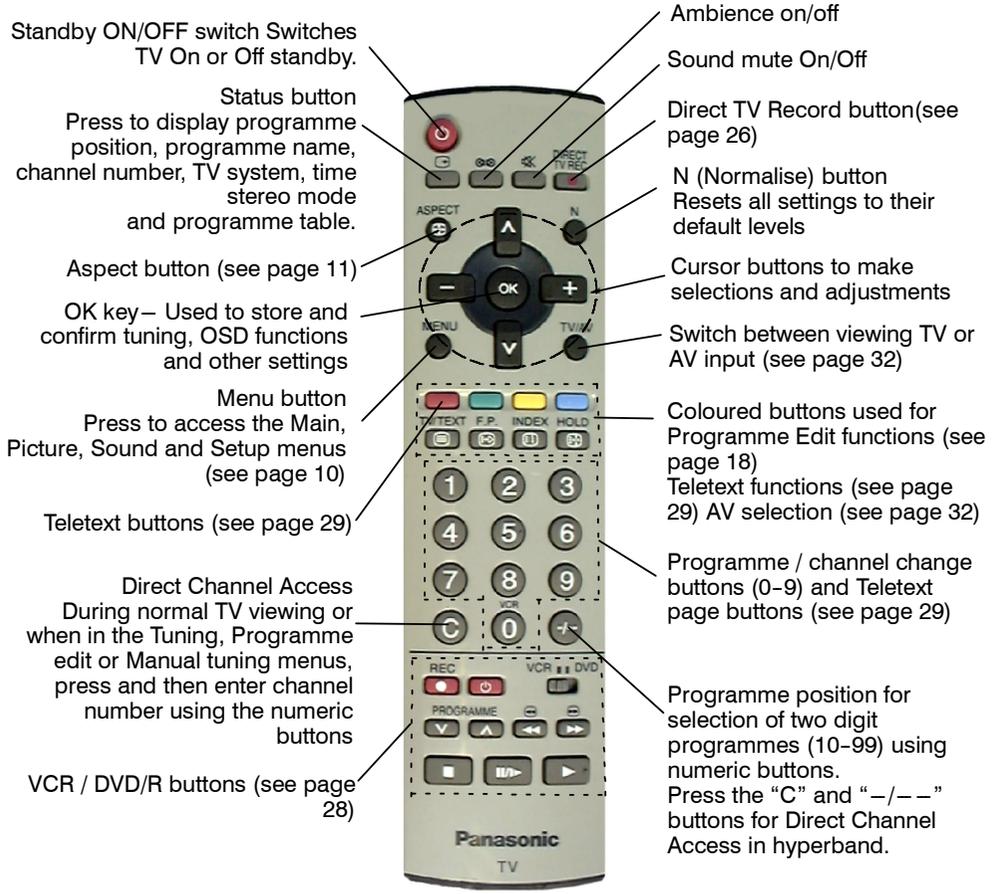
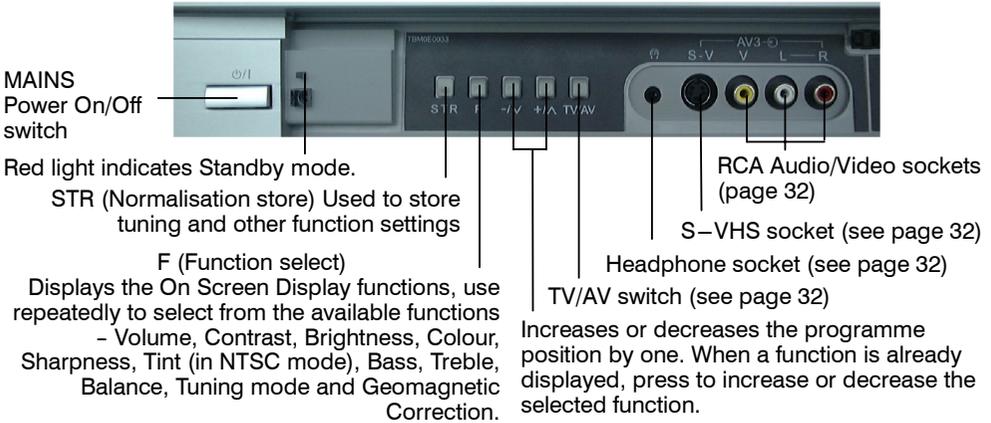
Press the **F** button again to return to normal viewing. Close the flap to prevent damage.



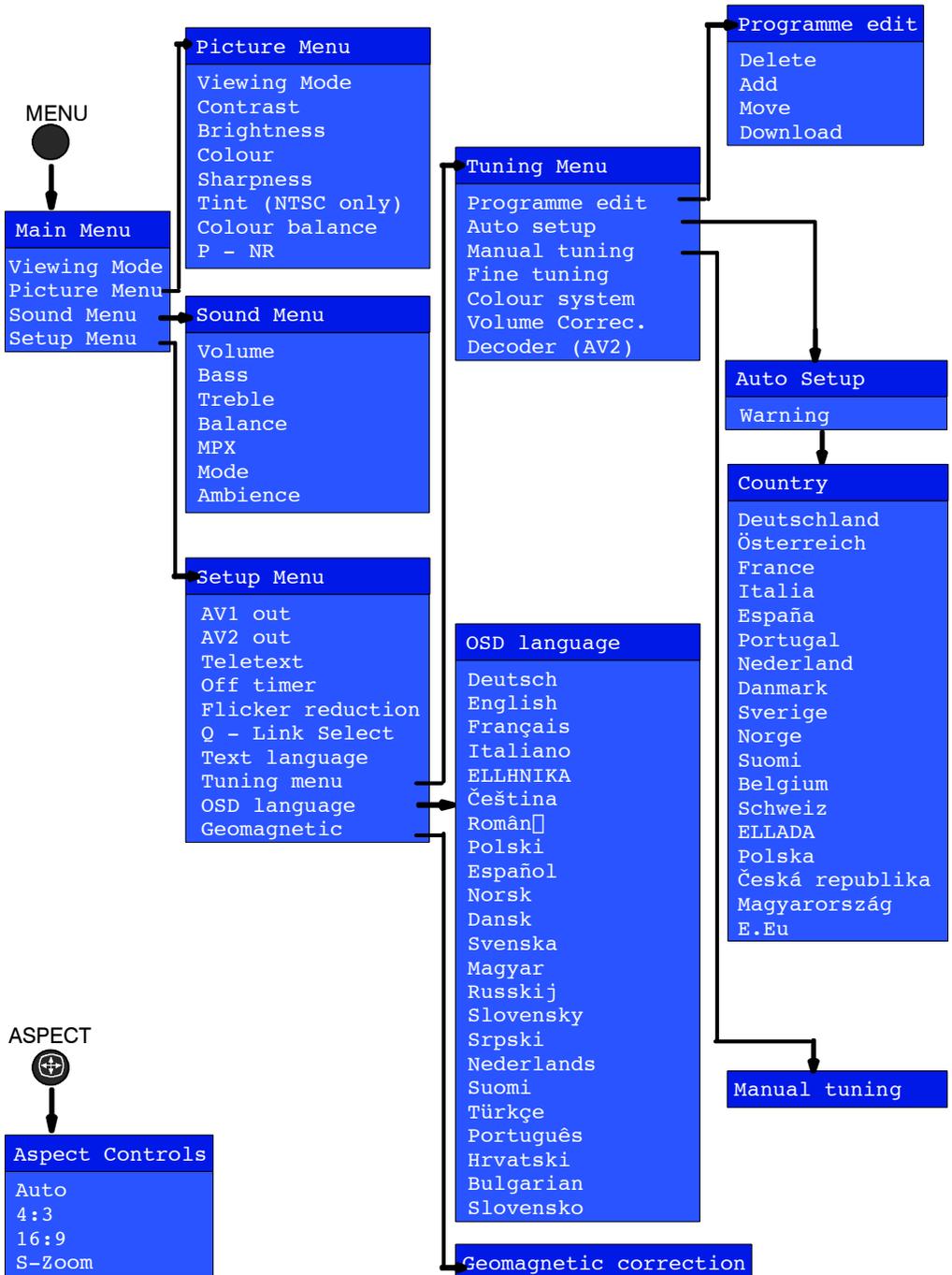
7 You are now ready to begin viewing programmes
The cursor controls provide the two basic functions:



BASIC CONTROLS : FRONT PANEL AND REMOTE CONTROL

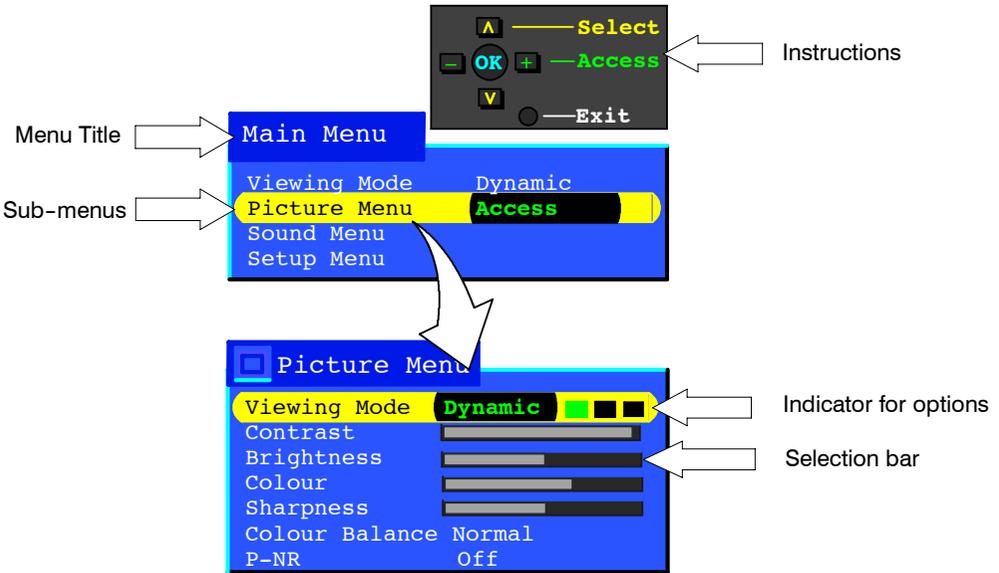


MENU STRUCTURE



USING THE ON SCREEN DISPLAYS

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



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 button is used to open the main menu and also to return to the previous menu.

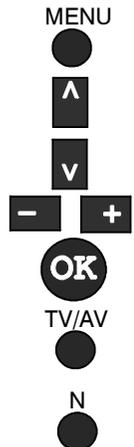
The up and down cursor buttons are used to move the cursor up and down the menus.

The left and right cursor buttons are used to access menus, adjust levels or to select from a range of options.

The OK button used to store and confirm tuning, OSD functions and other settings

The TV/AV button is used to exit the menu system and return to the normal viewing screen.

N (Normalise) button – resets all settings to their default levels



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.

ASPECT CONTROLS

Press the ASPECT button to move through the four aspect options: Auto, 4:3, 16:9 and ASPECT S–Zoom.



Auto

Selecting **AUTO** mode of this TV will automatically cause the TV to display any incoming picture at its correct format, i.e. 16:9 or 4:3.

16:9



4:3



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.



16:9

16:9 will display a 16:9 picture at its standard 16:9 size and can be selected if you wish to view in this format.



ASPECT CONTROLS

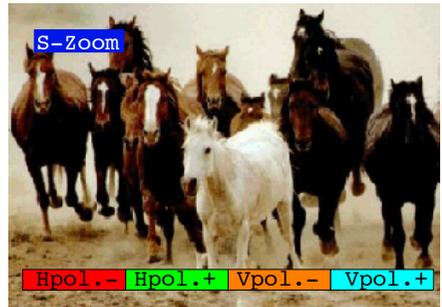
S-Zoom



S-Zoom allows increased magnification and the ability to move the picture horizontally and vertically.

The on screen selector keys that appear for some aspect function 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.

If, in Auto 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 requires adjustment (your VCR instruction book will contain adjustment details).



Increased magnification with **S-Zoom**.

HOLD CONTROL

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

HOLD



MAIN MENU

This menu allows you to access to Viewing Mode, Picture, Sound and Setup menu

Open the Main menu

MENU



Move to your choice



Increase or decrease levels or set options



Press the TV/AV button to exit the menu system

TV/AV



Viewing mode



The Viewing mode menu allows you to select 3 different screen settings – Dynamic, Normal and Cinema.

Picture Menu

This menu allows you to make adjustments to the picture quality.

Sound Menu

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

Setup Menu

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

PICTURE MENU

This menu allows you to make adjustments to the picture quality

Open the Main menu

MENU



Move to Picture menu



Access Picture menu



Move to your choice



Increase or decrease levels or set options



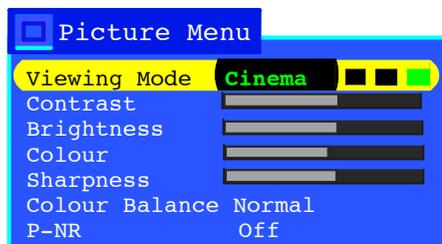
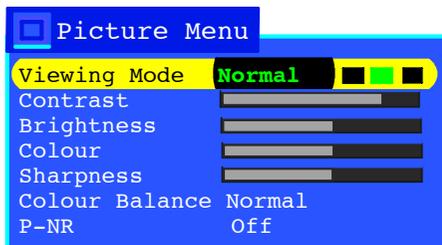
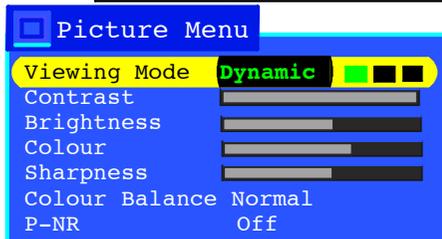
Press the TV/AV button to exit the menu system

TV/AV



Press the N button to return the factory setting

N



Viewing mode



The Viewing mode in the Picture menu allows you to select, adjust and store three different screen settings – Dynamic, Normal and Cinema.

In each Viewing mode setting, Contrast, Brightness, Tint (in NTSC only), Colour, and Sharpness can be adjusted and stored to suit your particular viewing requirement (for example you may require different settings for viewing sport, films, news etc.).

Viewing mode offers you up to a maximum of three separate settings for each signal source: RF, AV1, AV2, AV3 (including RGB).

By analysing and processing the incoming picture, all three modes feature automatic enhancement.

You can restore the factory settings for the selected profile on the selected signal source by pressing the “N” button on the remote control.

Contrast

Brightness

Colour

Sharpness

Tint (NTSC only)

The Contrast, Brightness, Colour, Tint (in NTSC only) and Sharpness levels can be adjusted to suit your own preferences and the viewing conditions.

Colour balance



The Colour balance setting allows you to set the overall colour tone of the picture.

P-NR



P-NR will automatically reduce unwanted picture interference.

SOUND MENU

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

Open the Main menu

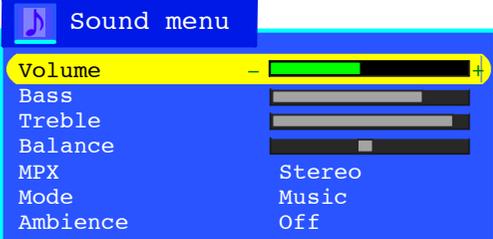
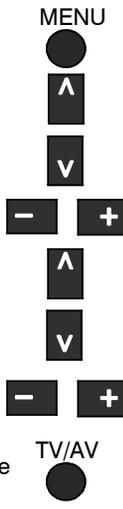
Move to Sound menu

Access Sound menu

Move to your choice

Increase or decrease levels or set options

Press the TV/AV button to exit the menu system



Volume

The Volume adjustment sets the overall output volume.

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

Balance affects the levels of sound between the left and right speakers. Adjustment can be made so that the level from the speakers will suit your listening position.

MPX



MPX will usually be set to Stereo to provide the best reproduction, however if reception deteriorates or if the service is not available then it is advisable to switch to Mono. Mono M1 and M2 can also be selected if signals are being transmitted.

Mode



The sound can be improved during Music or Speech mode by selecting the appropriate function.

Ambience



Ambience provides a dynamic enhancer to simulate improved spatial effects.

SETUP MENU

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

Open the Main menu

Move to Setup menu

Access Setup menu

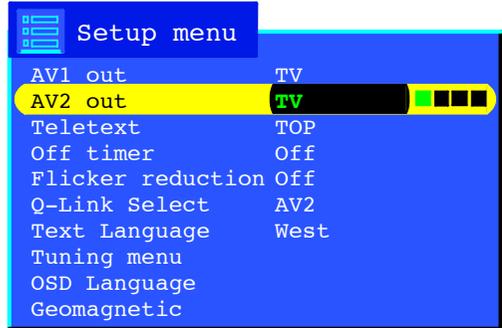
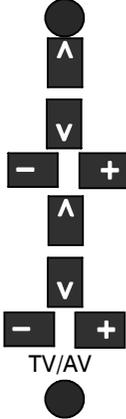
Move to your choice

Increase or decrease levels, set options or access further menus

Press the TV/AV button to exit the menu system

Tuning menu

MENU



AV1 out



Offers a choice of signals to send to the AV1 Scart socket. You can choose from the current TV programme position, the signal entering AV2 / AV3 or Monitor – the picture displayed on screen.

AV2 out



Offers 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 or Monitor – the picture displayed on screen.

Teletext



The Teletext option allows you to choose between TOP / Flof or List mode. See page 29.

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 reduction 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.

Q-Link Select



Q-Link allows you to enable (AV1 or AV2) or disable data communication with a compatible VCR (DVD/R). See page 26.

Text Language



Select character set, so that all characters needed are available for text on teletext pages (eg: cyrillic characters, etc).

Mode Languages

West: English, French, German, Greek, Italian, Spanish, Swedish, Turkish

East1: English, Estonian, Lett, Rumanian, Russian, Ukrainian, Lithuanian

East2: Czech, Hungarian, Lett, Polish, Rumanian, Lithuanian

Tuning menu

The Tuning menu provides an entry to many other features including Programme edit, ATP, Fine tuning, Manual tuning, Colour system and Volume correction. See page 17.

OSD Language

OSD language allows you to select the language OSD for On Screen Displays. See page 25.

Geomagnetic

If you notice a slight tilt to the picture or if there are coloured patches at the corners of the screen, use this feature to eliminate them. See page 6 (Quick Start Guide).

TUNING MENU

The Tuning menu provides access to manual, automatic and fine tuning menus

Open the Main menu

Move to Setup menu

Access Setup menu

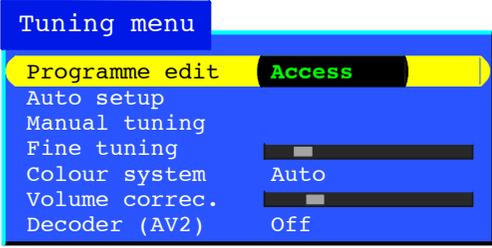
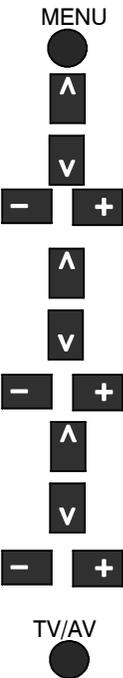
Move to Tuning menu

Access Tuning menu

Move to your choice

Increase or decrease levels, set options or access further menus

Press the TV/AV button to exit the menu system



Programme edit

Accessing the Programme edit menu will allow stations to be moved, added, deleted, named or locked and provides access to the TV -system. See page 18.

Auto setup

The Auto setup menu allows you to automatically retune the TV. See page 22.

Manual tuning

The Manual tuning menu allows individual programme positions to be tuned manually. See page 23.

Fine tuning

Stations can be finely tuned using the Fine tuning adjustment.

Colour system



The Colour system menu allows you to decide the correct choice of transmission standard.

Volume correc.

Volume correction allows you to adjust the volume level of individual stations.

Decoder (AV2)

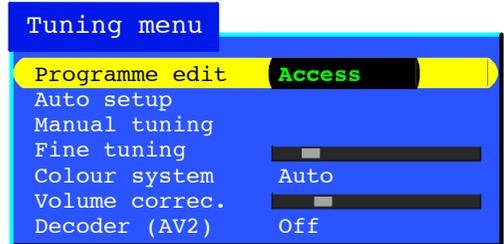


This option is used when a decoder is connected via AV2. Set to On if a scrambled signal is to be processed by the decoder. Set to Off after use. This options is avaiable only when Q-Link is switched on.

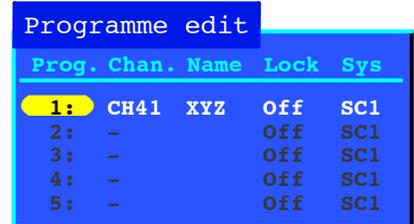
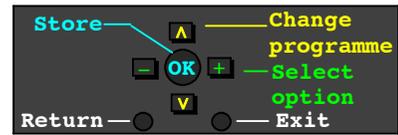
TUNING MENU - PROGRAMME EDIT

The Programme edit menu allows you to edit the programme position settings

- Open the Main menu 
- Move to Setup menu 
- Access Setup menu 
- Move to Tuning menu 
- Access Tuning menu 
- Move to Programme edit menu 
- Access Programme edit menu 
- Access Programme edit menu 

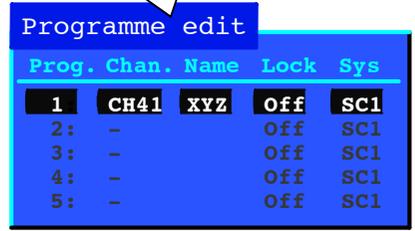


- Make required changes (see sections below)
- Press OK button to store changes 
- If you have finished in the Programme edit menu, press the TV/AV button to exit 



To delete an unwanted programme position

- Choose the programme position 
- 
- Press the Red button on remote control 
- Press the Red button again to confirm 



TUNING MENU - PROGRAMME EDIT

To add a programme position

Choose the programme position where the new program is to be inserted



Press the Green button



Press the Green button again to confirm



This blank programme can then be tuned, named, locked and be allocated your choice of TV-system

Programme edit

Prog.	Chan.	Name	Lock	Sys
1	CH41	XYZ	Off	SC1
2:	-		Off	SC1
3:	-		Off	SC1
4:	-		Off	SC1
5:	-		Off	SC1



To move a programme to another position

Choose the programme position to be moved



Press the Yellow button on remote control



Choose new position



Press the Yellow button again to confirm



Programme edit

Prog.	Chan.	Name	Lock	Sys
1	CH41	XYZ	Off	SC1
2:	-		Off	SC1
3:	-		Off	SC1
4:	-		Off	SC1
5:	-		Off	SC1



To tune a programme position

Choose the programme position



Move to the channel column



Increase or decrease channel number or use the 'C' key for Direct Channel Access or use the 'C' and '-/--' buttons for Direct Channel Access in hyperband (see page 8)



Programme edit

Prog.	Chan.	Name	Lock	Sys
1:	CH41	XYZ	Off	SC1
2:	-		Off	SC1
3:	-		Off	SC1
4:	-		Off	SC1
5:	-		Off	SC1

TUNING MENU - PROGRAMME EDIT

To rename a programme position

Choose the programme position



Move to the Name column



Choose the new character



Move to the next character position



Continue until renaming is done



Programme edit

Prog.	Chan.	Name	Lock	Sys
1:	CH41	XYZ	Off	SC1
2:	-		Off	SC1
3:	-		Off	SC1
4:	-		Off	SC1
5:	-		Off	SC1

ABCDEFGHIJKLMNQRST
UVW XYZ+- . 0123456789

To lock a programme position to prevent access

Choose the programme position



Move to the lock column



Choose between lock on or lock off



Note :

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



Programme edit

Prog.	Chan.	Name	Lock	Sys
1:	CH41	XYZ	Off	SC1
2:	-		Off	SC1
3:	-		Off	SC1
4:	-		Off	SC1
5:	-		Off	SC1

To change the TV-system for a programme position

Choose the programme position



Move to the Sys column



Choose the required sound system:

SC1 : PAL B/G, SECAM B/G

SC2 : PAL I

SC3 : PAL D/K / SECAM D/K

F : SECAM L/L'



Programme edit

Prog.	Chan.	Name	Lock	Sys
1:	CH41	XYZ	Off	SC1
2:	-		Off	SC1
3:	-		Off	SC1
4:	-		Off	SC1
5:	-		Off	SC1

To copy programme information to a compatible VCR (DVD/R) connected to AV1 or AV2

Move to the Prog. column



Press the Blue button on the remote control



Programme data will now be sent to the VCR (DVD/R). This might take a few seconds, depending on the number of stations stored.

TV>VCR DOWNLOAD IN PROGRESS
PLEASE WAIT
Programme : 48
Remote control unavailable

Note:

If the message “Q–Link? Unable to download”

- check Q–Link (AV1 or AV2)
- check your VCR (DVD/R)”

appears on the screen, the television is unable to send the programme information to the VCR (DVD/R). See the VCR (DVD/R) handbook for further information.

TUNING MENU - AUTO SETUP (ATP)

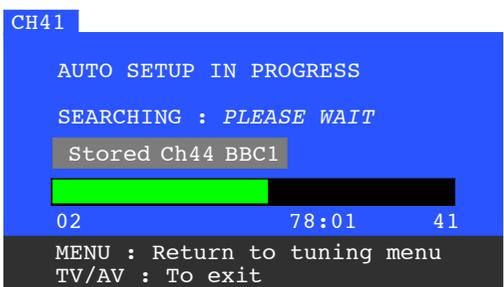
The Auto setup menu will allow you to automatically retune the TV to your local stations. It is useful if you move to a different region

- Open the Main menu MENU
- Move to Setup menu
- Access Setup menu
- Move to Tuning menu
- Access Tuning menu
- Move to Auto setup
- Access Auto setup
- Press to confirm start
- Select your country
- Press to start Auto setup

WARNING
All current tuning data will be erased



The TV will search for, locate and sort into order your local stations. If a compatible VCR (DVD/R) is connected via the AV1 or AV2 socket, programme data will be sent to the VCR (DVD/R) via Q-Link (see page 26)



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

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 to be tuned



Start tuning



When the desired programme is found, press OK button to store

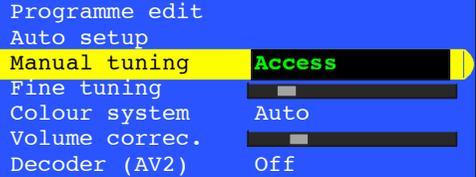


Press the TV/AV button to exit

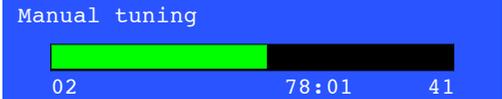
TV/AV



Tuning menu



CH41



Manual tuning (Front panel)

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



Press the - or + button to access Tuning mode



Press the TV/AV button to move between "Change programme", "Search" or "Change TV system"



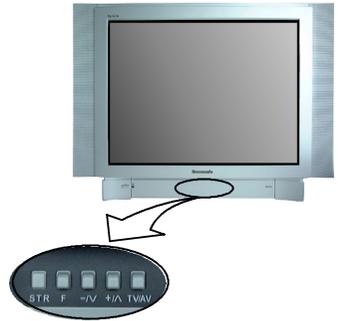
Press the - or + button to change programme position, start search, or alter TV system



When the desired station is found, press STR to store the changes



Repeat above procedure to tune additional programmes or press the F button to exit



```
Tuning mode
F : NO          -, + : Yes
```



1

CH41

SC3

Manual tuning (Front panel)

```
-,+ : Search
TV/AV : Move cursor
STR : To store
F : To exit
```

```
02          78:01          41
```



OSD LANGUAGE

When you first installed the TV the On Screen Display language was set according to your choice of country. If you wish to use a different language then it can be chosen from the OSD language menu

Open the Main menu

Move to Setup menu

Access Setup menu

Move to the OSD language menu

Access the OSD language menu

Move to your choice

Press the TV/AV button to exit

AV1 out	Monitor
AV2 out	TV
Teletext	TOP
Off timer	Off
Flicker reduction	Normal
Q-Link Select	AV2
Text Language	West
Tuning Menu	
OSD Language	Access
Geomagnetic	

Deutsch	Español	Nederlands
English	Norsk	Suomi
Français	Dansk	Türkçe
Italiano	Svenska	Português
ELLHNIKA	Magyar	Hrvatski
Čeština	Russkij	Bulgarian
Român	Slovensky	Slovensko
Polski	Srpski	

Q-Link allows the television to communicate with your VCR (DVD/R)

Open the Main menu

MENU



Move to Setup menu



Access Setup menu



Move to Q-Link



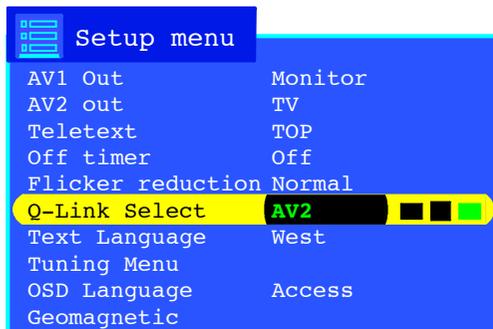
Confirm the setting is correct for connected Q-Link device (AV1 or AV2)



TV/AV



Press the TV/AV button to exit



The VCR (DVD/R) must be connected with a SCART lead (full function type) attached between the AV1 or AV2 socket of the television and the appropriate socket on your VCR (DVD/R). See the VCR (DVD/R) handbook for further information. Q-Link, NEXTVIEWLINK or similar technology allows the television to instruct a compatible VCR (DVD/R) to record the programme that is currently being displayed on screen, regardless of which programme position is VCR (DVD/R) currently set to, thus simplifying the process of recording programmes.

To record the programme you are currently watching

DIRECT TV REC

Press the DIRECT TV REC button on the remote control



If the VCR (DVD/R) is off, it will automatically switch on when you press the DIRECT TV REC button. A message, sent from the VCR (DVD/R), will appear on screen showing what is being recorded, or if it is not possible to record:

Recording stopped - TV source changed

Recording TV source

Recording in progress

VCR (DVD/R) is recording the programme signal from its own tuner. If you wish you can switch off the TV and leave the VCR (DVD/R) recording in the normal way.

VCR (DVD/R) is recording the programme signal from the television.

You must not change programme position or switch off the TV: if you do, the VCR (DVD/R) will automatically stop recording and switch off.

No recording - Check tape or disc

The write protection tab on the back of the cassette has been removed.

Examples of other messages that might be displayed are:

DOWNLOAD IN PROGRESS

Download

Unable to download, - Check Equipment

DOWNLOAD. Programme :

To share tuning information

To ensure correct recordings are made, the television and VCR (DVD/R) should share tuning information – see page 21.

- Whenever the Auto setup (ATP) function is used, tuning data will be downloaded to the VCR (DVD/R).

Auto Power functions

With Panasonic Q-Link VCRs (DVD/R) these additional features are available:

- If you insert a tape in your VCR (DVD/R) and press the Play button, the television will automatically switch on and select the AV1 or AV2 input so you can view the tape.
- If you switch off the television whilst the VCR (DVD/R) is in Stop, Fast Forward or Rewind modes, the VCR (DVD/R) will switch off automatically.

To turn off Q-Link communication

If you do not wish to use the Q-Link feature, go to the Setup menu and set the Q-Link option to “Off”. See page 16.

Important Note:

Not all VCRs (DVD/R) support this type of data communication system. Some may support certain features, but not others. See the VCR (DVD/R) handbook for further information.

If Q-Link is inoperative, first confirm that your SCART lead is a full function type. Ask your dealer for further details.

VCR / DVD/R OPERATION

The Remote Control is capable of operating some functions of selected Panasonic VCRs and DVD/R (Digital Versatile Disc) equipment. Some VCR and DVD/R equipment have different functions, so to ensure compatibility please refer to the equipment's instruction book or consult your dealer for details.

	Standby Press to switch the VCR or DVD/R to standby mode. Press again to switch back on.
VCR  DVD	VCR / DVD/R switch Use this switch to select whether controls operate DVD/R equipment or your VCR.
	Play Press to playback the tape or DVD.
	Stop Press to stop the tape or DVD.
	Skip / Fast Forward / Cue VCR: Press to fast forward the tape. In Play mode, press to view the picture rapidly forward. DVD/R: Press once to skip to the next track. In play mode press and hold to view the picture rapidly forward.
	Skip / Rewind / Review VCR: Press to rewind the tape. In Play mode, press to view the picture rapidly in reverse. DVD/R: Press once to skip to the previous track. In play mode press and hold to view the picture rapidly in reverse.
	Pause / Still Press in playback mode, the picture will pause. Press again to restart play.
PROGRAMME 	Programme Up / Down Press to increase or decrease the VCR programme position by one.
REC 	Record Press this button to start recording.

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 button twice whilst in Teletext operation will display the contrast function with a cyan bar, press ◀ ▶ to alter the setting as required.
Pressing the MENU button once whilst in Teletext operation will display special function options at the bottom of the screen.
- 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 FLOF (FASTTEXT)?

In FASTTEXT 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.

What is TOP Teletext?

TOP Teletext makes the task of selecting the desired Teletext pages easier and shorter. In fact page access time is almost instantaneous, just press the button and the page appears.

How does it work?

TOP Teletext uses the four coloured buttons, Red, Green, Yellow and Blue to select the following information.

- To move between subject blocks (SPORT for example) use the Blue button. Within this SPORT topic it is possible to select different groups such as Tennis, Football, Baseball etc, by using the Yellow button. When the last group within the block is reached, the yellow button moves to the next block.
- The Green button will select the next available page UP.
- The Red button will select the next available page DOWN.

What are the advantages?

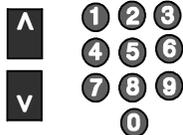
- Page selection at the touch of a single button.
- Easy to use step-by-step selection of the topical subject.
- Reduction of waiting time.
- If a non-existent page number is entered, a question mark will appear at the bottom of the screen.
- Page status line at the bottom of the screen so you always know which button will take you to the information required.

TV/TEXT



TV / Teletext mode

Press the TV/TEXT button.
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 ^ / v buttons to increase or decrease the page number by one.
- b. By entering the page number, using 0 -9 on the remote control.

MENU



Full / Top / Bottom

Press the MENU button to display special functions, followed by the Green button to expand TOP half.
Press the Green button again to expand the BOTTOM half.
Press again to return to normal (FULL) size.

TELETEXT OPERATION

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

MENU



Reveal

Press the **MENU** button to display special functions, followed by the **Red** button to reveal hidden words e.g. quiz page answers. Press again to hide.

Red / Green / Yellow / Blue buttons

In TOP/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 buttons and enter the new page number.

Press and hold **OK**, the page numbers will change colour.



HOLD



Hold

To hold the Teletext page when viewing multi-page information. Press again to return to automatic page update.

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** button, select the page number, then press and hold the **OK** button. The page number is now stored.

Press **F.P.** to recall this page.



Update Display

Press the **MENU** button to display special functions, followed by the **Yellow** button 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 the **Yellow** button to view the page.

Press **TV/TEXT** again to return to normal TV operation.

News Flash

When a news flash page has been selected, press **MENU**, **Yellow**, to view the TV picture. When an update is received, the page number will be displayed on screen.

Press the **Yellow** button to display the News Flash

Press **TV/TEXT** to return to normal TV. operation.

Update

Press **MENU**, **Yellow** 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 the **Yellow** button to view the page.

Press **TV/TEXT** to return to normal TV. operation.

MENU



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

MENU



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 buttons 0 - 9.

Press the **MENU** button followed by the **Blue** button; T**** will be displayed at the top right of the screen.

Enter desired sub page number before the T**** disappears.

To select page 6 enter 0, 0, 0 and 6.

Press the **Yellow** button to view a normal TV programme.

(Press **MENU**, **Yellow** in LIST mode).

When the page is available, press the **Yellow** button to view the page.

To clear the page perform one of the following :

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

INDEX



Index

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

Depending on the way information is transmitted, this may have to be pressed more than once to return to the main index page.

N



Normalisation

Press button **N** to return to the TV mode.

AV Select and Setup

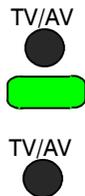
It is possible to connect a variety of additional equipment to this TV. The following pages detail how to connect external equipment to both the front and rear of the TV.

Once your equipment is connected, use the following procedure to view the input:

Press the **TV/AV** menu button

Press the relevant on screen selector key to select the AV source you wish to view (for example, press the green button to select **AV2** if you have connected a video recorder to the AV2 SCART socket).

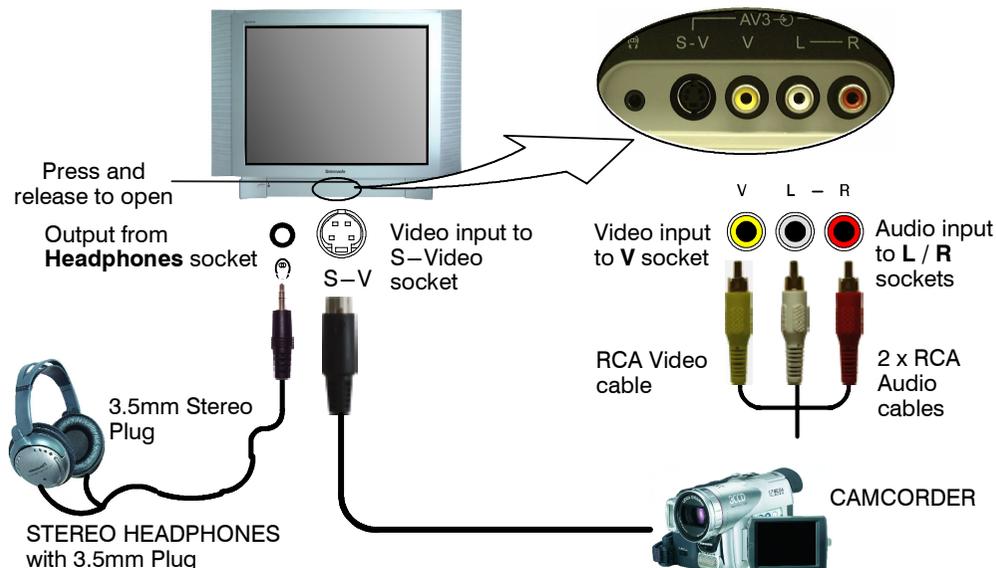
The on screen selector keys that appear clear after a few seconds. If you want to select an input when the keys are not shown, press the **TV/AV** key once more and the keys will reappear.



Notes:

- This television may automatically switch over to the AV mode if the connected device sends a switch signal to the SCART cable connector. In this case, the “EC” will be displayed in the left top corner of the screen and the signal from the AV equipment (for the RGB signal the “EC/RGB” will be displayed). The picture received will remain the same when the TV programme is changed.
- You may switch back to the television by pressing button “**TV/AV**” or by disconnecting the AV device.
- You can also select an AV source using the **TV/AV** button on the control panel on the front of your TV. Press the **TV/AV** button repeatedly until you reach the AV source you wish to view.
- When in **AV mode** a reduced number of options are available in the **SOUND** and **SETUP** menus (eg: in the Setup menu there is no **Tuning menu** option).

Front sockets

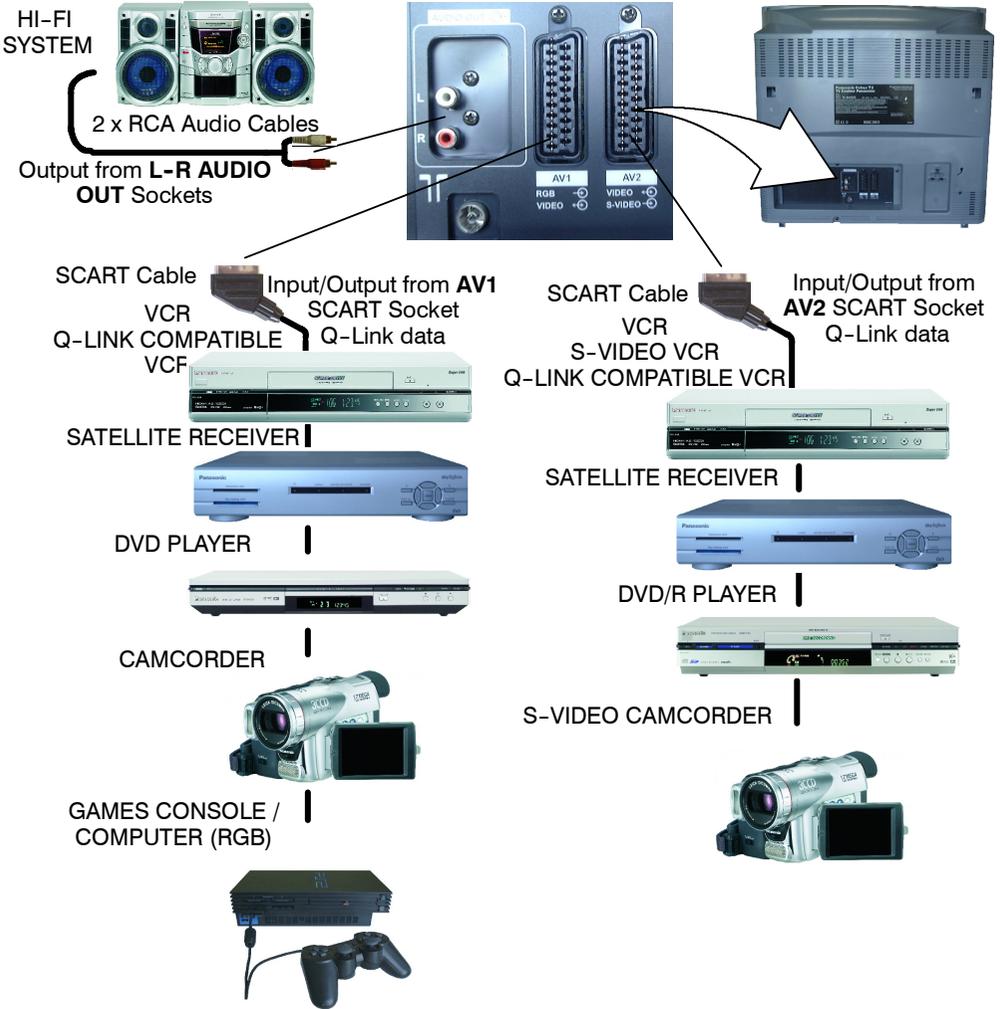


Notes:

- Additional equipment and cables shown are not supplied with this TV set.
- For S–Video socket wiring information see page 34.

AUDIO / VIDEO CONNECTIONS

Rear sockets

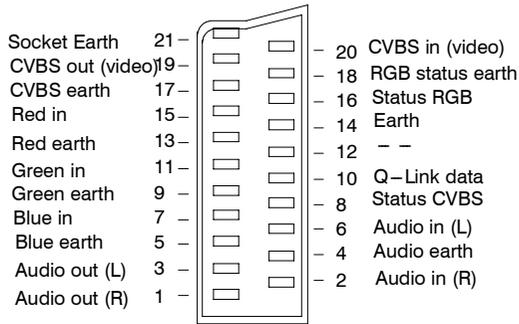


Notes:

- Additional equipment and cables shown are not supplied with this TV set.
- Do not connect a computer with TTL output (5V) to this set.

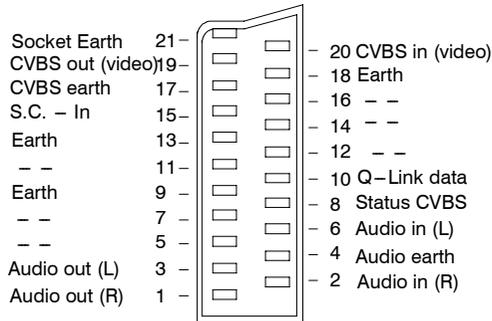
Scart and S-Video socket information

AV1 21 pin SCART terminal



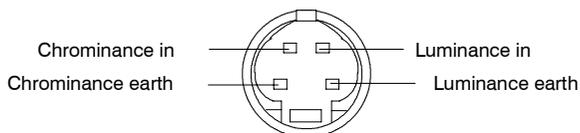
Suitable inputs for **AV1** include RGB (Red/Green/Blue).

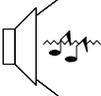
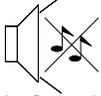
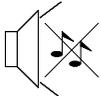
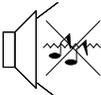
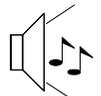
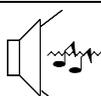
AV2 21 pin SCART terminal



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

S-Video 4 pin socket



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 Picture 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. If picture is also tilted, use Geomagnetic Correction feature (see Quick Start Guide, page 6)
 Normal Picture	 Weak or distorted sound	Sound reception may have deteriorated. Switch MPX setting (Sound menu) to Mono until reception improves.

Service :

Before requesting service, please refer to the troubleshooting 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).

SPECIFICATIONS

		TX-29PS11D/M
Power Source		220 - 240 V AC 50 Hz
Power Consumption		101 W
Standby Consumption		0,9 W
Picture Tube Visible Diagonal		68 cm
Audio Output Music Power		2 x 10 W RMS (2 x 20 W MPO), 8 Ω
Dimensions	H	585 mm
	W	766 mm
	D	533 mm
Weight		44 kg
Receiving Systems / Band name		PAL B/G, PAL I, SECAM B/G, SECAM L/L' VHF E2 - E12 VHF H1 - H2 (ITALY) VHF A - H (ITALY) UHF E21 - E69 CATV (S01 - S05) CATV S1 - S10 (M1 - M10) CATV S11 - S20 (U1 - U10) CATV S21 - S41 (Hyperband) PAL D/K, SECAM D/K VHF R1 - R2 VHF R3 - R5 VHF R6 - R12 UHF E21 - E69 PAL 525/60 Playback of NTSC tape from some PAL video recorders (VCR) M.NTSC (AV input only) Playback from NTSC 4,43 MHz Videorecorders (VCR) NTSC (AV input only) Playback from NTSC Videorecorders (VCR)
Number of programme positions		99 + VCR
Teletext Pages		250
Aerial - Rear		UHF / VHF
Headphones - Front		3,5 mm, 8 Ω impedance
Rear Audio monitor out		2 x RCA Audio Monitor Out , 500 mV RMS
AV - Rear		AV1 - 21 pin terminal - Audio / Video in / out, RGB in, Q-Link. AV2 - 21 pin terminal - Audio / Video in/out, S-Video in, Q-Link
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.