

Panasonic®

Operating Instructions Progressive Wide Plasma Television

Model No.

TH-37PA50E

TH-42PA50E

TH-37PA40E

TH-42PA40E



The illustration shown is an image.
Pedestal stand shown above is optional extra.



Please read these instructions before operating your set and retain them for future reference.

English

TQB0E0167U-1

Welcome

Dear Panasonic Customer,

We hope that you have many years of enjoyment from your new TV. The **Quick Start Guide** section at the beginning of this instruction book will allow you to use the TV as quickly as possible. We recommend that you then read the complete instruction book, and keep it to refer to as you explore the range of advanced features that this Plasma TV offers.

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Important Safety Notice

WARNING

- 1) To prevent damage which may result in fire or shock hazard, do not expose this appliance to dripping or splashing.
Do not place containers with water (flower vase, cups, cosmetics, etc.) above the set. (including on shelves above, etc.)
- 2) To prevent electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.
- 3) Do not remove the earthing pin on the power plug. This apparatus is equipped with a three pin earthing-type power plug. This plug will only fit an earthing-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician.
Do not defeat the purpose of the earthing plug.

CAUTION

- 1) This appliance is intended for use in environments which are relatively free of electromagnetic fields. Using this appliance near sources of strong electromagnetic fields or where electrical noise may overlap with the input signals could cause the picture and sound to wobble or cause interference such as noise to appear. To avoid the possibility of harm to this appliance, keep it away from sources of strong electromagnetic fields.
- 2) If a static electricity discharge occurs inside the front cover, the screen may momentarily flicker. This is not a malfunction.
The screen will return to normality in a short while.

To prevent electric shock, ensure the grounding pin on the AC cord power plug is securely connected.

Trademark Credits

- VGA is a trademark of International Business Machines Corporation.
 - Macintosh is a registered trademark of Apple Computer, USA.
 - S-VGA is a registered trademark of the Video Electronics Standard Association.
- Even if no special notation has been made of company or product trademarks, these trademarks have been fully respected.

CAUTION:

Symptoms	Check
After-images appear 	Do not allow a still picture to be displayed for an extended period, as this can cause a permanent after-image to remain on the Plasma TV. Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode. With no signal present, and without any user operation, the Panasonic screensaver will appear automatically after a few minutes to prevent image retention. Note: The permanent after-image on the Plasma TV resulting from fixed image use is not an operating defect and as such is not covered by the Warranty. This product is not designed to display fixed images for extended periods of time.

Safety Precautions

WARNING

■ Setup

This Plasma TV is for use only with the following optional accessories. Use with any other type of optional accessories may cause instability which could result in the possibility of injury.

(All of the following accessories are manufactured by Matsushita Electric Industrial Co., Ltd.)

- Pedestal TY-ST42PA50W, TY-ST42PX5W
- Display stand TY-S37PA50W (TH-37PA50E, TH-37PA40E),
TY-S42PA50W (TH-42PA50E, TH-42PA40E)
- Wall-hanging bracket (vertical)..... TY-WK42PV3W, TY-WK42PV2W
- Wall-hanging bracket (angle) TY-WK42PR2W

Always be sure to ask a qualified technician to carry out set-up.

Do not place the Plasma TV on sloped or unstable surfaces.

- The Plasma TV may fall off or tip over.

Do not place any objects on top of the Plasma TV.

- If water is spilt onto the Plasma TV or foreign objects get inside it, a short-circuit may occur which could result in fire or electric shock. If any foreign objects get inside the Plasma TV, please consult your local Panasonic dealer.

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

If using the pedestal (optional accessory), leave a space of at least 10 cm at the top, left and right, at least 6 cm at the bottom, and at least 7 cm at the rear. If using some other setting-up method, leave a space of at least 10 cm at the top, bottom, left and right, and at least 1.9 cm at the rear.

Avoid installing this product near electronic equipment that is easy to receive electromagnetic waves.

- It will cause interference in image, sound, etc. In particular, keep video equipment away from this product.

Keep unneeded small parts and other objects out of the reach of small children. These objects can be accidentally swallowed. Also, be careful about packaging materials and plastic sheets.

■ When using the Plasma TV

The Plasma TV is designed to operate on 220 - 240 V AC, 50/60 Hz.

Do not cover the ventilation holes.

- Doing so may cause the Plasma TV to overheat, which can cause fire or damage to the Plasma TV.

Do not stick any foreign objects into the Plasma TV.

- Do not insert any metal or flammable objects into the ventilations holes or drop them onto the Plasma TV, as doing so can cause fire or electric shock.

Do not remove the cover or modify it in any way.

- High voltages which can cause severe electric shocks are present inside the Plasma TV. For any inspection, adjustment and repair work, please contact your local Panasonic dealer.

Ensure that the mains plug is easily accessible.

Securely insert the power cord plug as far as it will go.

- If the plug is not fully inserted, heat may be generated which could cause fire. If the plug is damaged or the wall socket plate is loose, they shall not be used.

Do not handle the power cord plug with wet hands.

- Doing so may cause electric shocks.

Do not do anything that may damage the power cable. When disconnecting the power cable, pull on the plug body, not the cable.

- Do not damage the cable, make any modifications to it, place heavy objects on top of it, heat it, place it near any hot objects, twist it, bend it excessively or pull it. To do so may cause fire and electric shock. If the power cable is damaged, have it repaired at your local Panasonic dealer.

If the Plasma TV is not going to be used for any prolonged length of time, unplug the power cord plug from the wall outlet.

Safety Precautions

■ If problems occur during use

If a problem occurs (such as no picture or no sound), or if smoke or an abnormal odour starts to come out from the Plasma TV, immediately unplug the power cord plug from the wall outlet.

- If you continue to use the Plasma TV in this condition, fire or electric shock could result. After checking that the smoke has stopped, contact your local Panasonic dealer so that the necessary repairs can be made. Repairing the Plasma TV yourself is extremely dangerous, and should never be attempted.

If water or foreign objects get inside the Plasma TV, if the Plasma TV is dropped, or if the cabinet becomes damages, disconnect the power cord plug immediately.

- A short circuit may occur, which could cause fire. Contact your local Panasonic dealer for any repairs that need to be made.



CAUTION

■ When using the Plasma TV

Do not bring your hands, face or objects close to the ventilation holes of the Plasma TV.

- Heated air comes out from the ventilation holes at the top of Plasma TV will be hot. Do not bring your hands or face, or objects which cannot withstand heat, close to this port, otherwise burns or deformation could result.

Be sure to disconnect all cables before moving the Plasma TV.

- If the Plasma TV is moved while some of the cables are still connected, the cables may become damaged, and fire or electric shock could result.

Disconnect the power cord plug from the wall socket as a safety precaution before carrying out any cleaning.

- Electric shocks can result if this is not done.

Clean the power cable regularly to prevent it becoming dusty.

- If dust built up on the power cord plug, the resultant humidity can damage the insulation, which could result in fire.

Pull the power cord plug out from the wall outlet and wipe the mains lead with a dry cloth.

This Plasma TV radiates infrared rays, therefore it may affect other infrared communication equipment. Install your infrared sensor in a place away from direct or reflected light from your Plasma TV.

Maintenance

The front of the display panel has been specially treated. Wipe the panel surface gently using only a cleaning cloth or a soft, lint-free cloth.

- If the surface is particularly dirty, wipe with a soft, lint-free cloth which has been soaked in pure water or water to which a small amount of neutral detergent has been added, and then wipe it evenly with a dry cloth of the same type until the surface is dry.
- Do not scratch or hit the surface of the panel with fingernails or other hard objects, otherwise the surface may become damaged. Furthermore, avoid contact with volatile substances such as insect sprays, solvents and thinner, otherwise the quality of the surface may be adversely affected.

If the cabinet becomes dirty, wipe it with a soft, dry cloth.

- If the cabinet is particularly dirty, soak the cloth in water to which a small amount of neutral detergent has been added and then wring the cloth dry. Use this cloth to wipe the cabinet, and then wipe it dry with a dry cloth.
- Do not allow any detergent to come into direct contact with the surface of the Plasma TV.
If water droplets get inside the unit, operating problems may result.
- Avoid contact with volatile substances such as insect sprays, solvents and thinner, otherwise the quality of the cabinet surface may be adversely affected or the coating may peel off. Furthermore, do not leave it for long periods in contact with articles made from rubber or PVC.

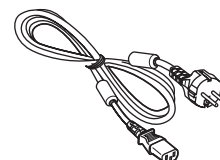
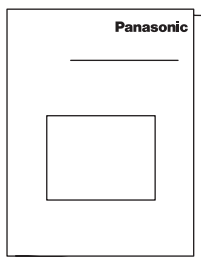
Accessories

Check that you have the accessories and items shown ☒

☐ Operating Instructions

☐ Remote Control Transmitter
(EUR7651060)

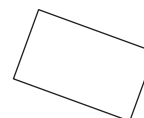
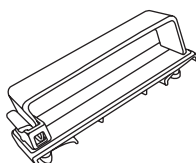
☐ Mains Lead



☐ Batteries for the Remote Control Transmitter
(2 × R6 (UM3) size)

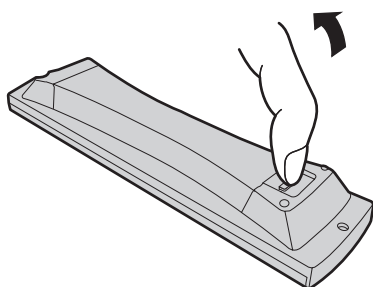
☐ Clamper × 2

☐ Pan European Guarantee Card



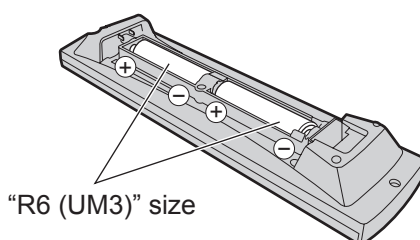
Fitting remote control batteries

①



Pull and hold the hook, then open the battery cover.

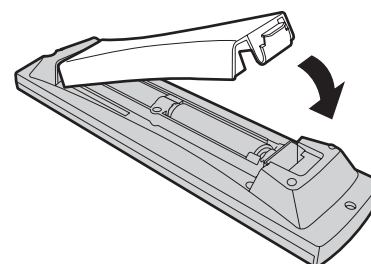
②



"R6 (UM3)" size

Insert batteries - note correct polarity (+ and -).

③



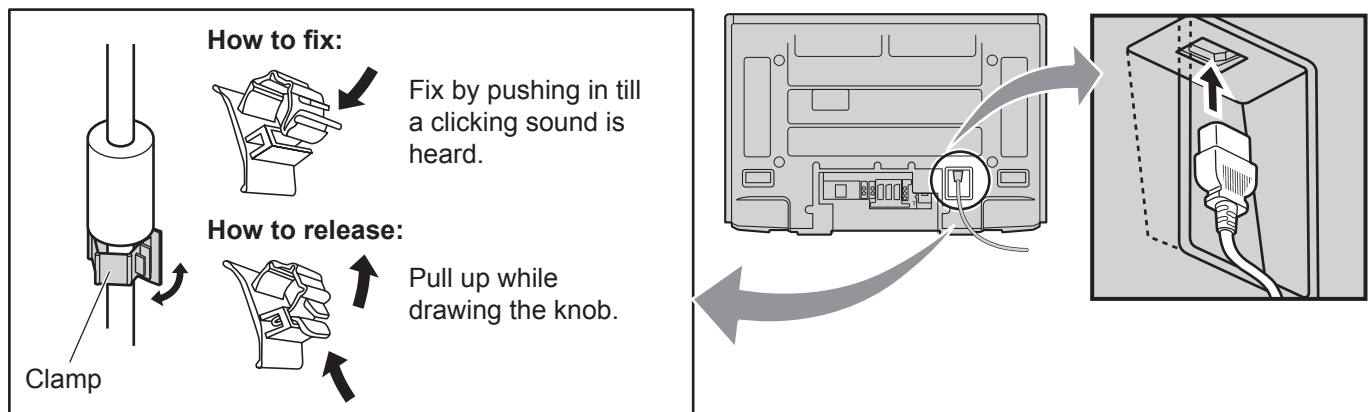
Replace the cover.

- 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-Cad) batteries.

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



AC cord connection

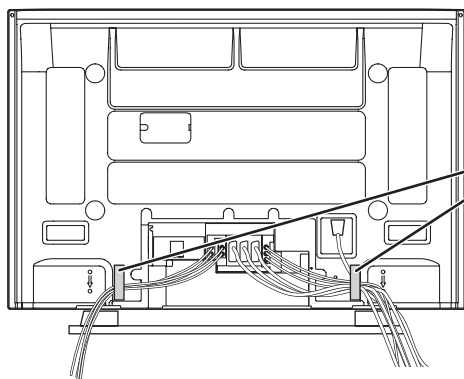


Cable binding instructions

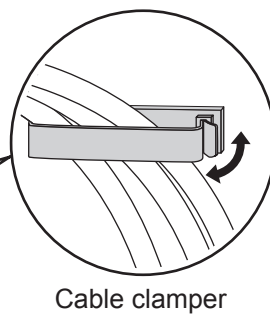
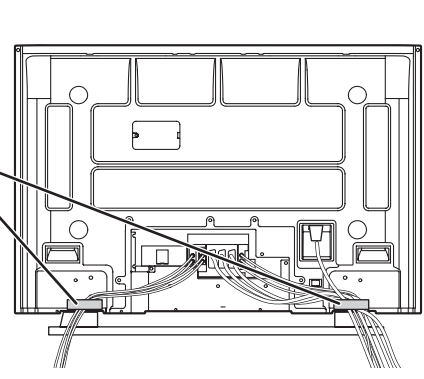
For using the TY-ST42PX5W

Bind all cables to the plasma television with the cable clasper.

For TH-42PA50E TH-42PA40E



For TH-37PA50E TH-37PA40E

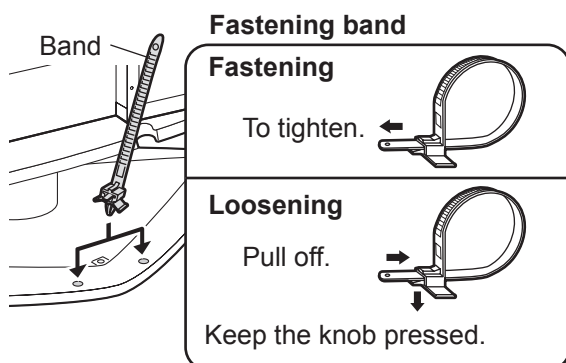


Bundle cable using the two cable claspers (left and right) fitted to the plasma television.

For using the TY-ST42PA50W

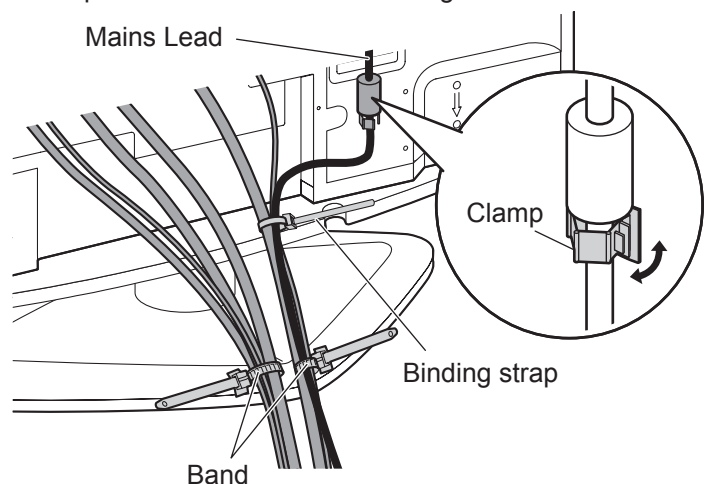
Attach the bands.

Insert the spigot on the two bands into the pedestal.



Connect cables.

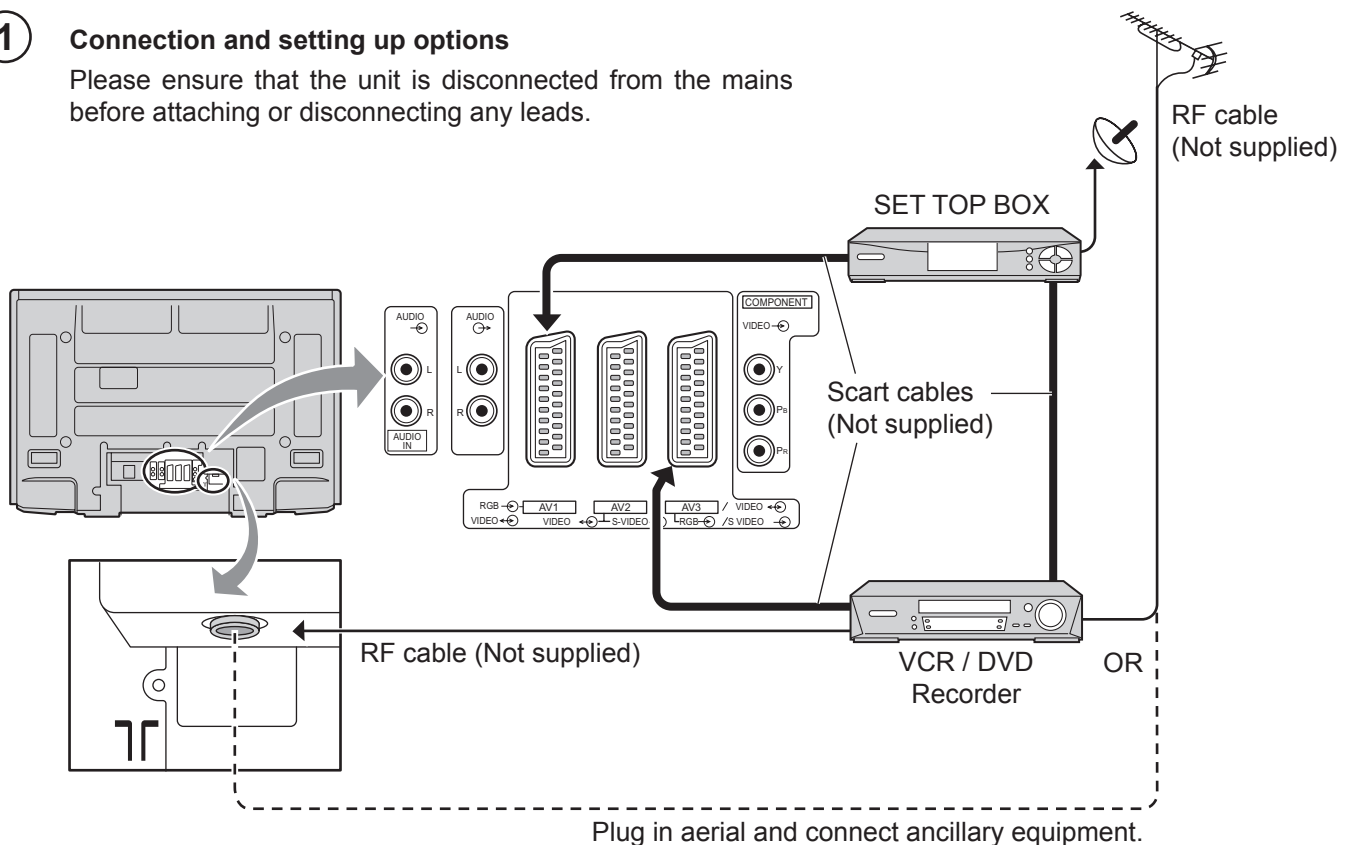
Example of "connection cable routing"



Quick Start Guide

1 Connection and setting up options

Please ensure that the unit is disconnected from the mains before attaching or disconnecting any leads.



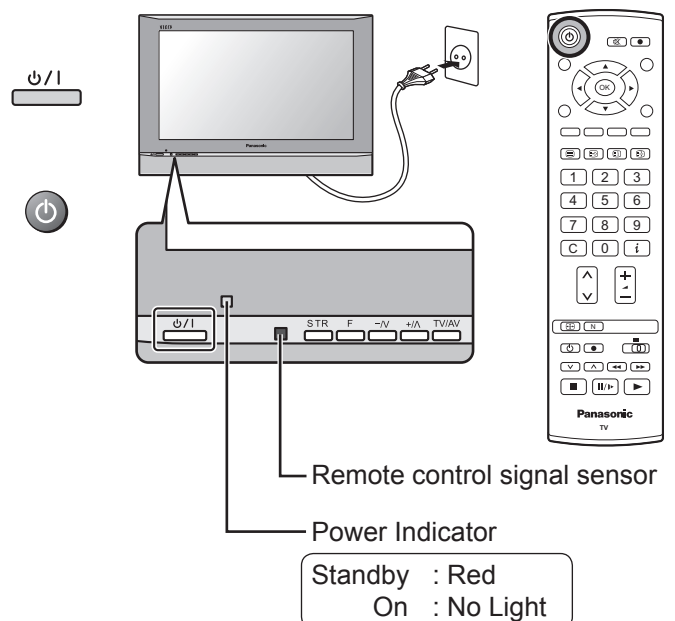
2 Connect the mains plug to the wall socket.

Press the ψ/I switch on the TV set to turn the set on.

To switch the TV set to Standby mode, press the ψ button on the remote control. The TV set can be switched on by pressing the ψ button again if it was in Standby mode.

Note:

This TV will still consume some power as long as the mains plug is still inserted into the wall socket.



Quick Start Guide

3 Select your country.

For Belgium, Switzerland and E.Eu, select the desired language.

If you wish to perform manual tuning, press the **Green** button.

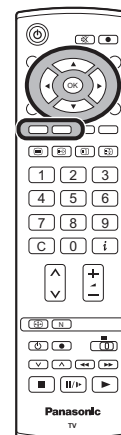
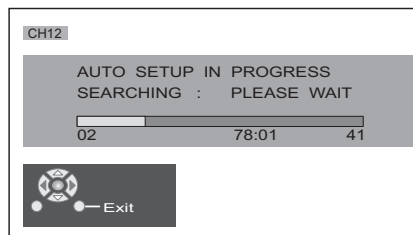
See page 19.

Press the **Red** button to start **Auto Setup**.

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

If a compatible recording device is connected to the correct Scart terminal, programme data will be downloaded to the device via Q-Link.

See page 20.



4 TV to VCR or DVD Recorder Download

If a "Q-Link", "NEXTVIEWLINK" or compatible recording device has been connected to a Scart terminal before starting Step 2, programme information will be downloaded to that device.

DOWNLOAD IN PROGRESS
PLEASE WAIT
Programme : 63
Remote control unavailable

The programme positions will be downloaded to the recording device, in the same order as stored in the TV.
See page 20.

Not all VCRs / DVD Recorders support this download of programme information, some may require to be started manually.

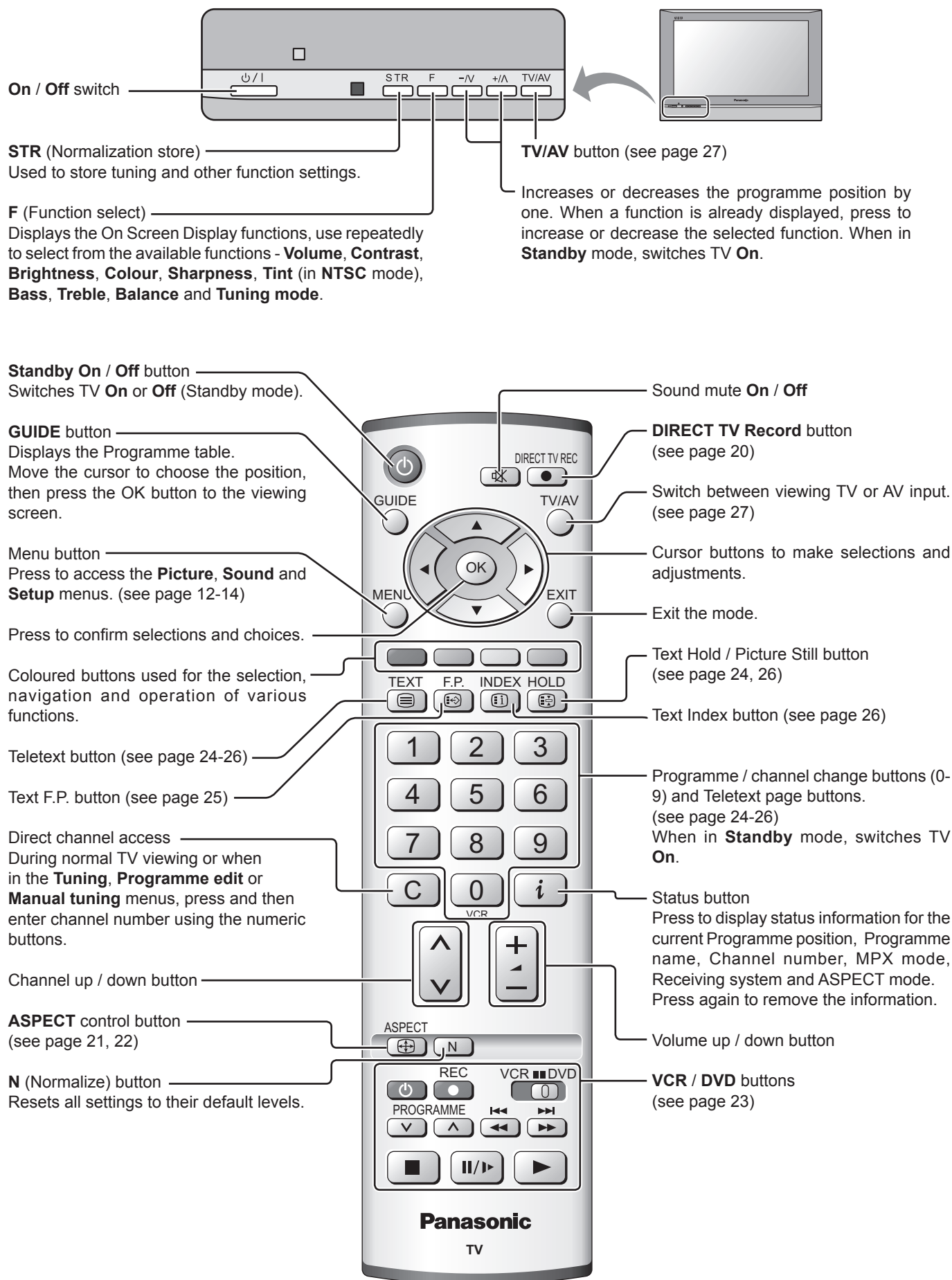
Refer to the recording device's operating instruction book.

If a recording device other than those described above has been connected, then there will be no download operation.

Notes:

- If the recording device has not accepted download data from the TV, you may need to select the Download option from the device's menu system. Refer to the recording device's operating instruction book.
- If Q-Link is not operating correctly, check the following:
The Scart cable is connected to the TV's Scart terminal, AV2 or AV3, and correctly setup in the menu.
The Scart cable is connected to the recording device's compatible (Q-Link, NEXTVIEWLINK or similar technology) Scart terminal.
The Scart cable is a "fully wired" type.
- For further information on Q-Link and connecting equipment, see page 20, 28, 30.

Basic controls: front panel and remote control



Using the On Screen Displays

Many features available on this TV can be accessed via the On Screen Display menu system. Use the remote control as shown below to access and adjust features as desired.

The **MENU** button is used to open the main menus and also to return to the previous menu.

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

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

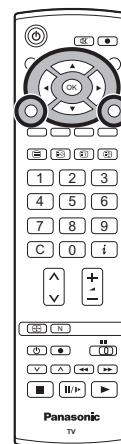
The **OK** button is used with a number of features to store settings after adjustments have been made or options have been set.

The **EXIT** button is used to exit the menu system and return to the normal viewing screen.

MENU



EXIT



An On Screen Help box is displayed whenever a menu is displayed on the TV. This Help box indicates which buttons on the remote control are used to navigate the menu shown, see above for descriptions of button functions.

Note:

The Help box is not shown in the menu pictures in this instruction book due to space limitations.

Sound menu	
Bass	
Treble	
Balance	
MPX	No service
Mode	Music
Ambience	Off



ON SCREEN HELP
'Instructions' box

Picture menu

Press the **MENU** button.

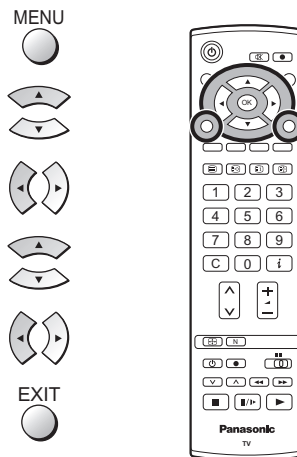
Move to choose **Picture** menu.

Access **Picture** menu.

Move to choose menu option.

Adjust chosen option or access chosen menu.

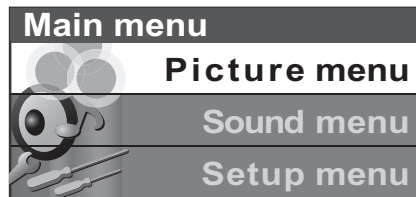
Press the **EXIT** button at any time to go back to watching TV.



Viewing mode

The Viewing mode menu allows you to select three different screen settings - **Dynamic**, **Normal** and **Cinema**. In each Viewing mode setting, Contrast, Brightness, Colour, Sharpness, Tint (in NTSC only), Colour balance, Colour management, P-NR, MPEG NR and 3D-COMB can be adjusted and stored to suit your particular viewing requirement. (e.g., you may require different settings for viewing sports, films, news etc.)

Viewing mode offers you up to a maximum of three separate settings for each signal source: RF, AV1, AV2, AV3 and Component. Changes will be stored automatically. By analysing and processing the incoming picture, all three modes feature automatic enhancement.



Contrast, Brightness, Colour, Sharpness

Increase or decrease the levels of these options according to your personal preference.

Tint

With an NTSC signal source connected to the TV, the picture hue can be adjusted to suit your taste.

Colour balance

Allows you to set the overall colour tone of the picture. Choose from **Cool**, **Normal** and **Warm**.

Colour management

Enables vivid colour adjustment automatically.

P-NR

Automatically reduces unwanted picture noise.
Not available during HD signal input.

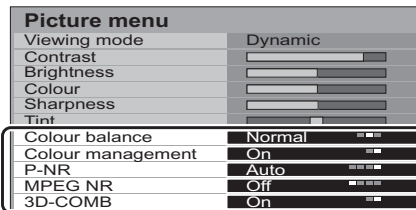
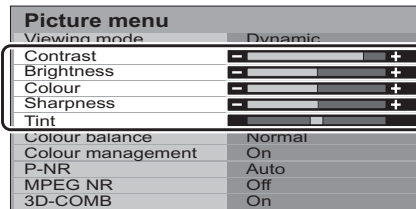
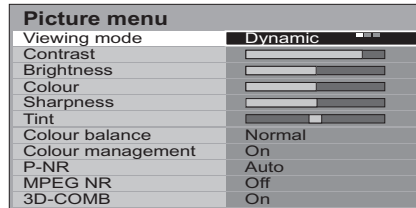
MPEG NR

Reduces MPEG noise.

Allows you to choose from **Off**, **Min**, **Mid** and **Max**.

This function is effective in reducing the digital block noise when viewing DVD, VCD or digital broadcasting. The effect will be changed based on the scene and image.

MPEG: Compression technology of the image signal adopted by DVD, VCD or digital broadcasting.



3D-COMB

Occasionally, whilst viewing still or slow moving pictures, colour patterning may be seen. Set 3D-COMB to **On** to display sharper and more accurate colours.

Displayed only when receiving PAL or NTSC signals.

Not displayed during RGB Video, S-Video and component input mode.

Sound menu

Press the **MENU** button.

Move to choose **Sound menu**.

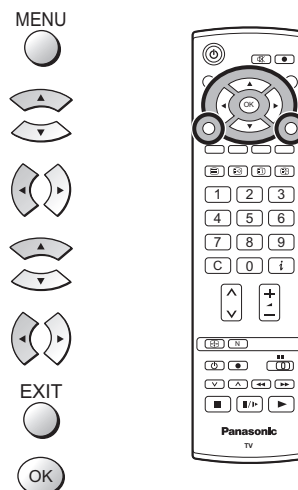
Access **Sound menu**.

Move to choose menu option.

Adjust chosen option or access chosen menu.

Press the **EXIT** button at any time to go back to watching TV.

Press the **OK** button after having adjusted some features to store the new settings as the default (replacing the factory setting).



Bass Increase or decrease level to enhance or minimise lower, deeper sound output.

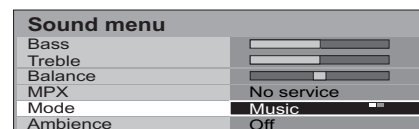
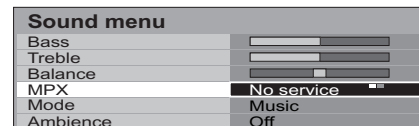
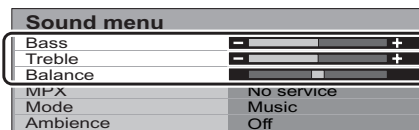
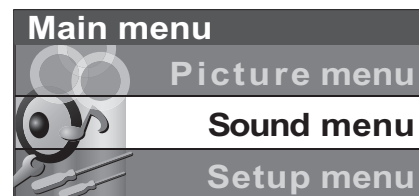
Treble Increase or decrease level to enhance or minimise sharper, higher sound output.

Balance The levels of sound between the left and right speakers can be adjusted to suit your listening position.

MPX Usually set to **Stereo** to provide the best reproduction, but if reception deteriorates or if the service is not available then switch to **Mono**. **Mono (M1)** and **(M2)** can also be selected if a mono signal is being transmitted.

Mode Sound quality can be improved when watching music scene or drama by selecting the appropriate **Music** or **Speech** mode.

Ambience Ambience provides a dynamic enhancer to simulate improved spatial effects.



Setup menu

Press the **MENU** button.

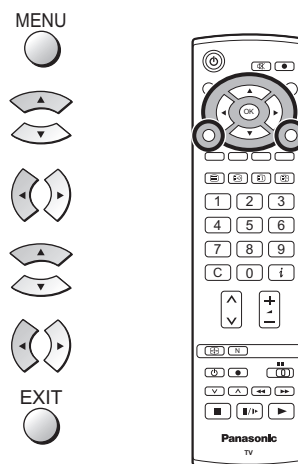
Move to choose **Setup menu**.

Access **Setup menu**.

Move to choose menu option.

Adjust chosen option or access chosen menu.

Press the **EXIT** button at any time to go back to watching TV.



Q-Link

Allows you to select which AV terminal is to be used for data communication between this TV and a compatible recording device. Choose from **Off**, **AV2** and **AV3**. See page 20.

AV2 / AV3 out

Offers a choice of signals to send to the Scart terminal selected in the Q-Link option. You can choose from the current **TV** programme position, the signal entering **AV1** / **AV2** / **AV3** or **Monitor** - the picture displayed on screen.

Teletext

Allows you to choose between **TOP/FASTTEXT** or **List** mode. See page 24-26.

Off timer

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

Text language

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

Mode Languages

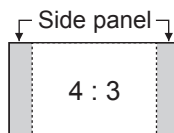
West: English, French, German, Greek, Italian, Spanish, Swedish, Turkish

East1: Czech, English, Estonian, Lettish, Rumanian, Russian, Ukrainian

East2: Czech, English, German, Hungarian, Lettish, Polish, Rumanian

Side panel

Allows you to choose from **Off**, **Low**, **Mid** and **High**. Do not display a picture in 4:3, 14:9, Picture and text modes for an extended period, as this can cause an after-image to remain on the side panels either side of the display field. To prevent the appearance of such an afterimage, illuminate the side panels.



Power save

By reducing the brightness of picture, power consumption can be lowered.

Tuning menu

Provides access to many other features including **Programme edit** and **Auto setup**. See page 15-19.

OSD language

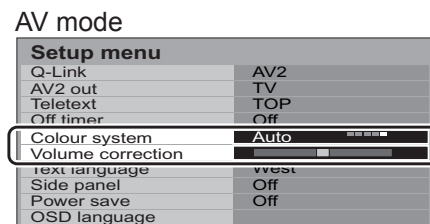
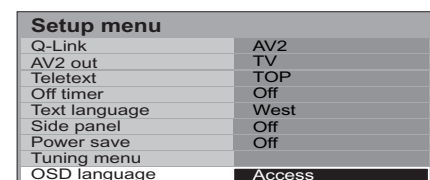
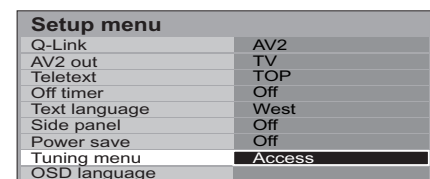
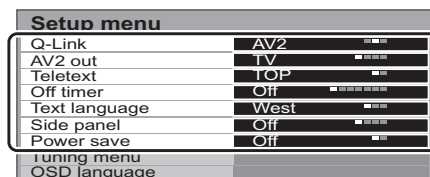
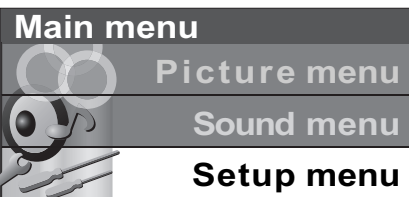
When you first install the TV, the On Screen Display language is set according to your choice of country. **OSD language** lets you change the language used for On Screen Displays.

Colour system

During **AV** mode, Colour system is displayed. See page 15.

Volume correction

During **AV** mode, Volume correction is displayed. You can adjust volume level of AV mode. Volume level is memorised.



Tuning menu – overview

Press the **MENU** button.

Move to choose **Setup menu**.

Access **Setup menu**.

Move to choose **Tuning menu**.

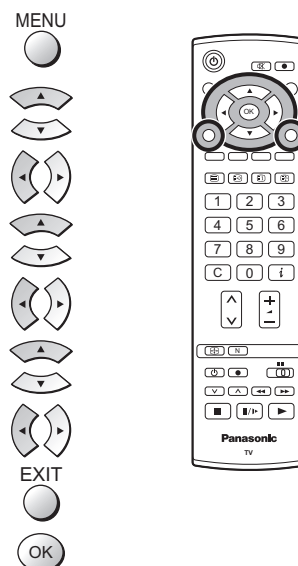
Access **Tuning menu**.

Move to choose menu option.

Adjust chosen option or access chosen menu.

Press the **EXIT** button at any time to go back to watching TV.

Press the **OK** button after having adjusted some features to store the new settings as the default (replacing the factory setting).



Programme edit Access in order to customize your programme settings (e.g., adding or deleting a programme position). See page 16, 17.

Auto setup Allows you to automatically retune the TV. Useful if you move house and wish to retune your TV to the local stations. See page 18.

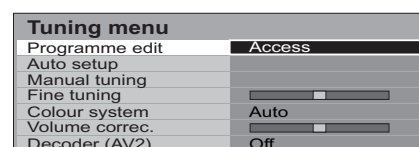
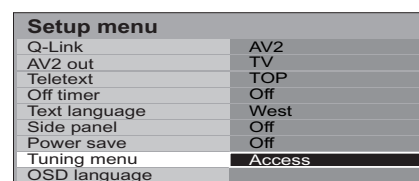
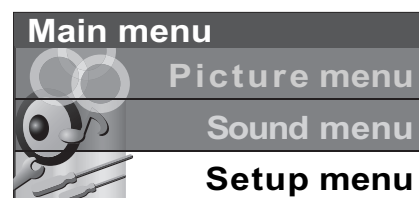
Manual tuning Allows individual programme positions to be tuned manually. See page 19.

Fine tuning Use to make small adjustments to the tuning of an individual station (useful for example when weather conditions are affecting reception quality of a programme).

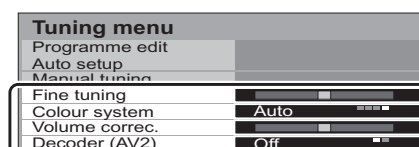
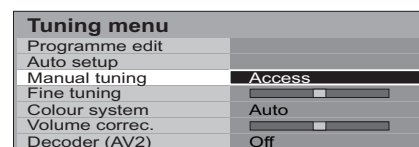
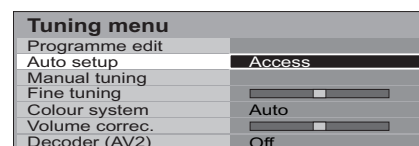
Colour system Lets you select the correct transmission standard for the transmission signal being received.

Volume correc. Lets you adjust the volume level of individual stations. Use this feature if the volume level varies significantly between stations. Adjusting one station's volume to bring it into line with the other stations means you can avoid having to adjust the volume each time you change channels.

Decoder (AV2 / AV3) This option is used when a decoder is connected via AV2 / AV3. Store the setting as **On** so that every time this programme position is selected, the TV software is set to handle the decoded information (this is important if your decoder unit is connected to AV2 / AV3 via a Q-Link device).



Programme edit					
Prog.	Chan.	Name	Lock	Sys	
1	CH44	ABC	Off	SC1	
2	CH51	XYZ	Off	SC1	
3	CH41	FTP	Off	SC1	
4	CH47	123	Off	SC1	
5	CH37	456	Off	SC1	



Tuning menu – Programme edit

Press the **MENU** button.

Move to choose **Setup menu**.

Access **Setup menu**.

Move to choose **Tuning menu**.

Access **Tuning menu**.

Move to choose **Programme edit**.

Access **Programme edit**.

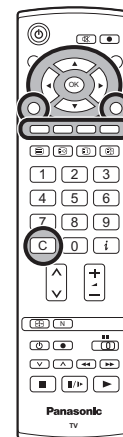
Move to choose programme position (e.g., Prog. 3).

Make required change, e.g., moving a programme channel (see the relevant procedure below).

Press the **EXIT** button at any time to go back to watching TV.

Press the **OK** button after having adjusted some features to store the new settings.

MENU



EXIT



Adding / deleting a programme channel

Move the cursor to the programme to be deleted or added.



Press the **Green** button to add a programme channel to the programme position, or the **Red** button to delete one.



Press the same button again to confirm your decision.

Programme edit				
Prog.	Chan.	Name	Lock	Sys
1	CH44	ABC	Off	SC1
2	CH51	XYZ	Off	SC1
3	CH41	FTP	Off	SC1
4	CH47	123	Off	SC1
5	CH37	456	Off	SC1

Add Cancel

Moving a programme channel

Move the cursor to the programme to be moved.



Press the **Yellow** button.



Choose the new position for the programme channel.



Press the **Yellow** button again to confirm your decision.

Programme edit				
Prog.	Chan.	Name	Lock	Sys
1	CH44	ABC	Off	SC1
2	CH51	XYZ	Off	SC1
3	CH41	FTP	Off	SC1
4	CH47	123	Off	SC1
5	CH37	456	Off	SC1

Confirm Cancel

Tuning a programme channel

Move to the **Chan.** column.



Increase or decrease the programme channel number (you will see the TV retune to the new number as you change it) or use the **C** button for Direct Channel Access. See page 10.



Press the **OK** button to store this change.



Programme edit				
Prog.	Chan.	Name	Lock	Sys
1	CH44	ABC	Off	SC1
2	CH51	XYZ	Off	SC1
3	CH41	FTP	Off	SC1
4	CH47	123	Off	SC1
5	CH37	456	Off	SC1

Tuning menu – Programme edit

Renaming a programme channel

Move to the **Name** column.



Choose the new character. The box at the bottom of the screen shows the character currently selected.



Move to the next character position.



Continue until renaming is done.

Press the **OK** button to store the new name.



Programme edit				
Prog.	Chan.	Name	Lock	Sys
1	: CH44	ABC	Off	SC1
2	: CH51	XYZ	Off	SC1
3	: CH41	FTP	Off	SC1
4	: CH47	123	Off	SC1
5	: CH37	456	Off	SC1

ABCDEFGHIJKLMNOPQRSTUVWXYZ
UVWXYZ+-,0123456789

Locking a programme channel

You may wish to lock a programme channel to prevent access to it.

Move to the **Lock** column.



Choose between Lock **On** or Lock **Off**.



Press the **OK** button to store the new setting.



Programme edit				
Prog.	Chan.	Name	Lock	Sys
1	: CH44	ABC	Off	SC1
2	: CH51	XYZ	Off	SC1
3	: CH41	FTP	Off	SC1
4	: CH47	123	Off	SC1
5	: CH37	456	Off	SC1

Note:

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

Changing the sound system for a channel

You can change the sound system used for a programme channel.

Move to the **Sys** column.



Choose the required sound system:

SC1 : PAL B, G, H / SECAM B, G

SC2 : PAL I

SC3 : PAL D, K / SECAM D, K

F : SECAM L / L'



Press the **OK** button to store the new setting.



Programme edit				
Prog.	Chan.	Name	Lock	Sys
1	: CH44	ABC	Off	SC1
2	: CH51	XYZ	Off	SC1
3	: CH41	FTP	Off	SC1
4	: CH47	123	Off	SC1
5	: CH37	456	Off	SC1

Copying programme information to a recording device

You can copy programme information to a compatible recording device connected to AV2 / AV3. See page 28 for connection information.

Press the **Blue** button.

Programme data will now be sent to the recording device(s). This might take a few seconds, depending on the number of stations stored. If the message "Feature not available" appears on the screen, the television is unable to send the programme information to the recording device(s). See the device's instruction book for further information.



DOWNLOAD IN PROGRESS
PLEASE WAIT
Programme : 63
Remote control unavailable

Note:

This is not available when you choose Q-Link Off in Setup menu.

Tuning menu – Auto setup

Auto setup automatically retunes your TV. This feature is useful if, e.g., you move house and wish to retune your TV to receive the local stations.

Press the **MENU** button.

Move to choose **Setup** menu.

Access **Setup** menu.

Move to choose **Tuning** menu.

Access **Tuning** menu.

Move to choose **Auto setup**.

Access **Auto setup**.

Press to confirm start.

Notes:

- If you proceed with the next step all tuning data will be erased (all stations and their programme positions stored in your TV's memory will be wiped out so the new settings can be stored).
- If you exit the procedure after this point and before **Auto setup** is complete, no station information will be stored. Restart and complete the Auto setup procedure so that the TV is retuned.

Select your country.

Press to start **Auto setup**.

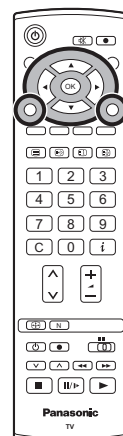
The TV will search for, locate, store and then sort into order your local stations.

If compatible recording device is connected via the AV2 / AV3 terminal, programme data will be sent to the device via Q-Link. See page 20.

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

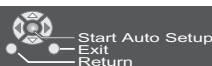
Press the **EXIT** button at any time to go back to watching TV (please read the **Notes** in the above procedure).

MENU



WARNING

All current tuning data will be erased



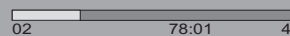
Country

Deutschland
Österreich
France
Italia
España
Portugal
Nederland
Danmark
Sverige
Norge
Suomi
Belgium
Schweiz
ELLADA
Polska
Ceská republika
Magyarország
E.E.U.



CH12

AUTO SETUP IN PROGRESS
SEARCHING : PLEASE WAIT



Tuning menu – Manual tuning

It is possible to retune individual programme positions:

Press the **MENU** button.

Move to choose **Setup menu**.

Access **Setup menu**.

Move to choose **Tuning menu**.

Access **Tuning menu**.

Move to choose **Manual tuning**.

Access **Manual tuning**.

Select the programme position to be tuned.

Press repeatedly until required station is found.

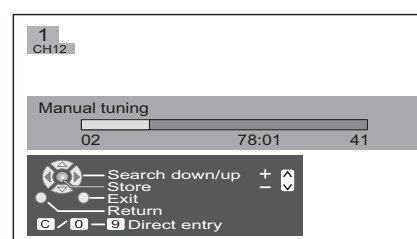
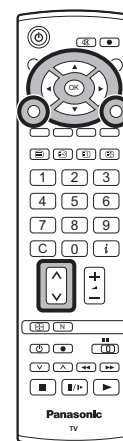
When the desired station is found, press the **OK** button to store. The programme position will flash.

Press the **EXIT** button at any time to go back to watching TV.

Note:

If your VCR is connected to this TV by an RF cable only, choose programme position "0" to tune to the VCR signals.

MENU



Manual tuning (via front panel)

It is also possible to use the control panel buttons on the front of your TV to tune individual programme positions:

Press the **F** button until **Tuning mode** is reached.

Press the **-/V** or **+/\A** button to access **Tuning mode**.

Press the **TV/AV** button to move between **Change programme**, **Search** and **Change TV system**.

Press the **-/V** or **+/\A** button to change programme position or start search.

When the desired station is found, press the **STR** button to store. The programme position will flash.

Repeat above procedure to tune additional programme positions.

Press the **F** button at any time to go back to watching TV.

F



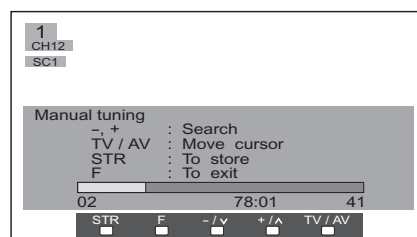
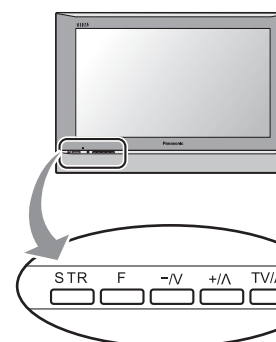
TV/AV



STR



F



Q-Link

Q-Link allows the television to communicate with a compatible VCR or DVD Recorder.

For Q-Link communication to work, the TV must be connected to a recording device with the “Q-Link”, “NEXTVIEWLINK”, “DATA LOGIC”, “Easy Link”, “Megalogic” or “SMARTLINK” logo using a “fully wired” Scart cable between the AV2 / AV3 terminal of the television and the appropriate terminal on your VCR or DVD Recorder.

For connection to the appropriate Scart terminal on the recording device, refer to the device’s instruction book.

When using a “NEXTVIEWLINK” device the main features possible are the following:

Preset Download

This allows the programme order from the TV to be downloaded to the recording device, helping to ensure that correct recordings are made; there are several ways to perform this operation:

1. During installation as explained in the “Quick Start Guide” on page 8, 9.
2. When Auto setup is started from within the Tuning menu. See page 15.
3. Preset download started from the recording device, refer to the device’s instruction book.

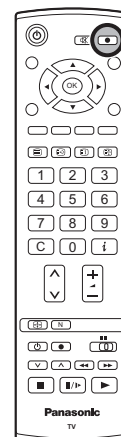
What You See Is What You Record (DIRECT TV RECORDING)

This will allow the immediate recording of the programme currently shown on the TV, by the recording device attached to the Scart terminal, which can be chosen using “Q-Link”. See page 14, 20

Press the **DIRECT TV REC** button. 

If the recording device is in Standby mode with usable recording media inserted, it will automatically switch on when you press the **DIRECT TV REC** button.

If a “Q-Link” device is connected, a message will appear on the TV screen showing what is being recorded, or if it is not possible to record. Some “Q-Link” compatible devices will only display the message when on the VCR programme position “0” or in AV mode. Refer to the device’s instruction book.



Recording in progress

The recording device is recording the programme signal from its own tuner. If you wish you can switch off the TV and leave the device recording in the normal way.

No recording -Check tape or disc

The tape or disc may have been “write protected”, missing or may be damaged. The device may already be recording. Refer to the device’s instruction book.

Additionally, when using a “Q-Link” device the main features possible are the following:

The following features are only available from the device connected to the Scart terminal selected using “Q-Link”. See page 14.

TV / Recording device Auto Power On

If you insert pre-recorded media into the recording device and press the Play button whilst the TV is in Standby mode, the TV will automatically switch on and select the correct AV input so that you can view the content.

Recording device Auto Power Standby

When the TV is switched into Standby mode, the recording device will also switch into Standby mode if there is no media inserted, or if there is media inserted and the device is in Rewind or Stop mode. If a VCR is rewinding a tape, it will not switch into Standby mode until rewinding has finished.

Recording device Image View On

If the TV is in Standby mode and the recording device sends a menu to be displayed on the TV screen (e.g., Main menu), the TV will automatically switch On and the menu will be displayed.

This TV will also communicate with other recording device’s that bear the following logos:

- “DATA LOGIC” (a trademark of Metz Corporation)
- “Megalogic” (a trademark of Grundig Corporation)
- “Easy Link” (a trademark of Philips Corporation)
- “SMARTLINK” (a trademark of Sony Corporation)

Important Note:

Some recording devices may not support all or some of the above functions. Refer to the instruction book for the device.

If Q-Link functions do not work, check the connection and ensure that the scart lead is a fully-wired type.

Aspect Controls

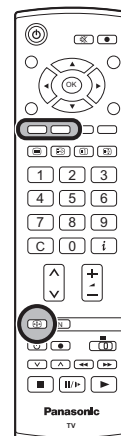
The Widescreen TV will allow you to enjoy viewing the picture at its optimum size and aspect, including widescreen cinema format pictures.

Press the **ASPECT** button repeatedly to move through the eight aspect options:

Panasonic Auto, 16:9, 14:9, Just, 4:3, Zoom1, Zoom2 and Zoom3

OR

Press the **ASPECT** button. Whilst the on screen selector keys are displayed, use the **Red** or **Green** buttons to move in either direction through the eight aspect options.



Panasonic Auto

Panasonic Auto determines the best aspect ratio to use to fill your screen. It does this using a four step process to determine if the picture being viewed is a widescreen picture.

If **Panasonic Auto** detects a widescreen signal it switches into the appropriate widescreen mode. If **Panasonic Auto** does not detect a widescreen signal then this advanced TV set enhances the picture for optimum viewing pleasure.

The text shown on the screen indicates how **Panasonic Auto** determined which ratio to use:

Panasonic Auto switches to the appropriate widescreen ratio.

"Panasonic Auto" appears in the top left of the screen if black stripes above and below the picture are detected.

Panasonic Auto chooses the best ratio and expands the picture to fill the screen. This process can take several minutes, depending on the darkness of the picture.

You may prefer to manually select one of the other aspect options available to view the picture.

Notes:

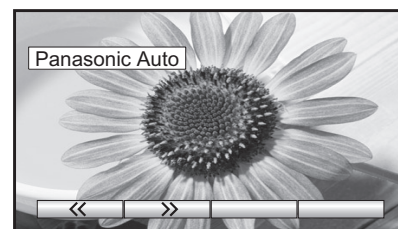
- If, in Panasonic Auto mode, you experience problems with the screen display size when playing back widescreen format recordings from your VCR then it is possible that the tracking control of your VCR requires adjustment (your VCR instruction book will contain adjustment details).
- The widescreen aspect 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.
- "WIDE" will appear in the top left corner of the screen and picture aspect changes accordingly in any aspect modes, if a widescreen identification signal (WSS) is detected or a control signal is found through a Scart terminal.



"WIDE" appears in the top left of the screen, **Panasonic Auto** switches to the appropriate 16:9 or 14:9 widescreen ratio.



"Panasonic Auto" appears in the top left of the screen. The best ratio is chosen and the picture expanded to fill the screen.

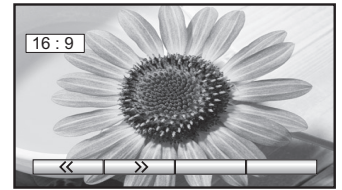


Press the **ASPECT** button, then use the **Red** or **Green** buttons to move in either direction through the eight aspect options.

Aspect Controls

16 : 9

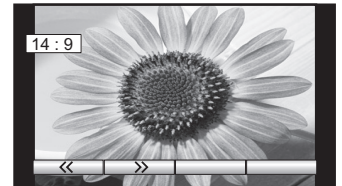
16:9 will display a true 16:9 (anamorphic) picture with no aspect distortions.



16 : 9

14 : 9

14:9 will display a 14:9 picture at its standard 14:9 size without any stretching.

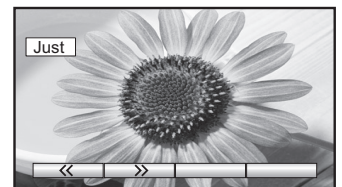


14 : 9

Just

Use **Just** when you wish to expand a 4:3 picture to fill the whole screen (rather than watching a programme with black stripes down the left and right sides of the picture).

The 4:3 picture will be stretched horizontally so that the image fills the screen, this is done in such a way that the stretching is only obvious at the left and right edges of the screen.



Just

4 : 3

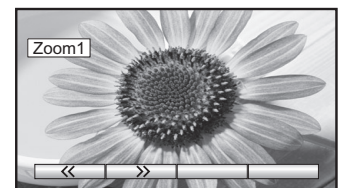
4:3 will display a 4:3 picture at its standard 4:3 size with no aspect distortions.



4 : 3

Zoom1

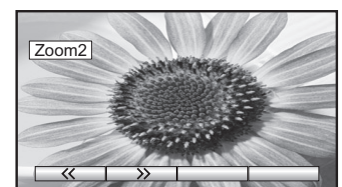
Zoom1 will display 16:9 letterbox or 4:3 pictures with no aspect distortions.



Zoom1

Zoom2

Zoom2 will display 16:9 anamorphic letterbox pictures as a full screen display with no aspect distortions.

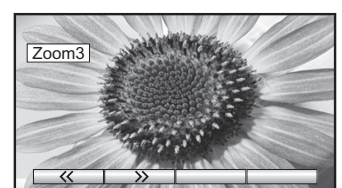


Zoom2

Zoom3

Zoom3 will display 21:9 letterbox pictures as a full screen display with no aspect distortions.

16:9 will display the picture at its maximum size but with slight stretching.



Zoom3

VCR / DVD operation

The Remote Control is capable of operating some functions of selected Panasonic VCRs and DVD (Digital Versatile Disc) equipment. Some VCR and DVD 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, DVD or DVD recorder to Standby mode. Press again to switch back on.
	VCR / DVD switch Use this switch to select whether controls operate the DVD equipment or 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 (Cue). When fast forwarding the tape, the picture noise may occur. DVD: Press to skip to the next track or title. Press and hold to search forward.
	Skip / Rewind / Review VCR: Press to rewind the tape. In Play mode, press to view the picture rapidly in reverse (Review). DVD: Press to skip to the previous track or title. Press and hold to search backward.
	Pause / Still Press in Play mode, the picture will pause. Press again to restart play. DVD: Press and hold for slow-motion play.
	Programme Up / Down Press to increase or decrease the programme position by one.
	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 whilst in Teletext operation will display the contrast function with a cyan bar, press the left and right cursor buttons to alter the setting as required.
- Pressing the **MENU** button whilst in Teletext operation will display special function options at the bottom of the screen.
- Pressing the **Volume up / down** button whilst in Teletext operation will display the volume function with a green bar, press the volume up / down button to alter the setting as required.

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.

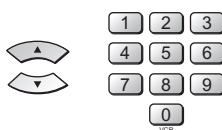
What is TOP/FASTEXT mode?

In TOP/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 on the subjects shown.



TV / Teletext mode

Press the **TEXT** button to switch between the current programme and teletext.



Page Selection

Pages can be selected in two ways:

- a. Press the Up / Down cursor buttons 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 the **MENU** button to display special functions, followed by the **Green** button. Press the **Green** button again to expand the BOTTOM half. Press again to return to normal (FULL) size.



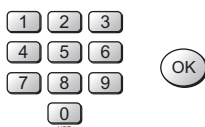
Reveal

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 they 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 (programme positions 1 - 25 only). To do this, press one of the four coloured buttons and enter the new page number. Press and hold the **OK** button, the page numbers will change to white indicating that the page is stored.

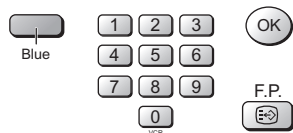


HOLD

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

Teletext operation

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



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 (this is not necessary in Picture and text mode, as the picture is displayed on the left of the screen). When found, the screen will display the page number at the top left. Press the **Yellow** button to view the page.

Press the **TEXT** button again to return to normal TV operation.

News Flash

When a news flash page has been selected, press the **MENU**, **Yellow** buttons, 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 the **TEXT** button to return to normal TV operation.

Update

Press the **MENU**, **Yellow** buttons 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 the **TEXT** button to return to normal TV operation.



Accessing sub pages

When Teletext information exceeds one page, it may take some time for the automatic changing of the sub pages to reach the sub page you require. As each sub page is found its number is displayed at the top of the page so that you may select it; as more sub pages are picked up, the display at the top of the page changes, so that you are always offered the most recently transmitted selection of sub pages.

In Teletext operation, use the following procedure to access sub pages:



If the sub page you want to look at is not yet available, press the **MENU** button (to display special functions) followed by the **Yellow** button to view the TV picture whilst waiting for more sub pages to be found. The sub pages found will be displayed across the top of the screen.



When the sub page you are waiting for is available press the **Yellow** button to return to viewing the Teletext pages, then use the left and right cursor buttons to select the sub page of your choice.

The maximum number for sub page that can be entered is restricted to 79 by broadcasters.

Notes:

- If you do not want to display the on screen selector keys on the TV picture whilst waiting for a sub page to be found, press the **MENU** button to clear the keys from the screen. Press again to redisplay the keys.
- If you have cleared the special function keys from the screen and then used the left and right cursor buttons to select a sub page, whilst still viewing the TV picture, you must press the **MENU** button then the **Yellow** button to display the Teletext page again.
- If the top of the page indicates that sub pages are being transmitted but the page displayed never changes, then the 'sub page number' is there to show the page contents have been updated, there are no sub pages.



Teletext operation

Alternatively, if you know which sub page you require, press the **MENU** button (to display special functions) followed by the **Blue** button; T**** will be displayed where the page number is normally found.

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

e.g., to select page 6 enter 0, 0, 0 and 6.

Press the **Yellow** button to view the TV picture whilst waiting for more sub pages to be found.

The sub pages found will be displayed across the top of the screen.

When the page is available, press the **Yellow** button to view the page. Regardless of how many pages are found, pressing the **Yellow** button will take you to the sub page which you requested.

Press the **TEXT** button to return to normal TV operation.



INDEX

When in TOP/FASTEXT operation

Press the **INDEX** button 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.



Picture and text

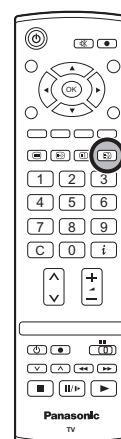
Press the **MENU** button twice to display special functions, followed by the left or right cursor button to select Picture and text On or Off.

Picture and text mode lets you see the current programme and a page of teletext side by side. Whilst using this feature, the remote control affects the teletext page; if you wish to make changes to the programme viewed press the **TEXT** button to return to watching the programme on its own then make the desired changes.

Still

Press the **HOLD** button to freeze the picture.

Press again to return to watching the current programme.



Audio / Video connections

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

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

Press the **TV/AV** button.

Whilst the on screen selector keys are displayed, press coloured buttons to select the AV source you wish to view.

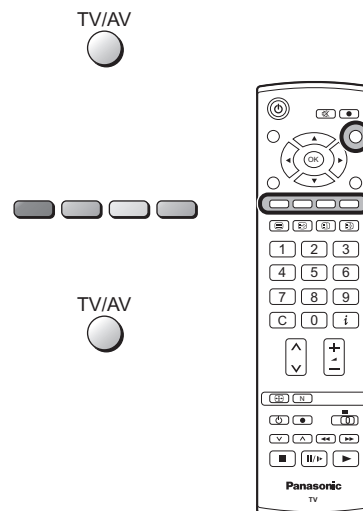
Red button : AV1 Scart terminal

Green button : AV2 Video, S-Video Scart terminal

Yellow button : AV3 Video, S-Video Scart terminal

Blue button : Component terminals

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** button again and the keys will reappear.

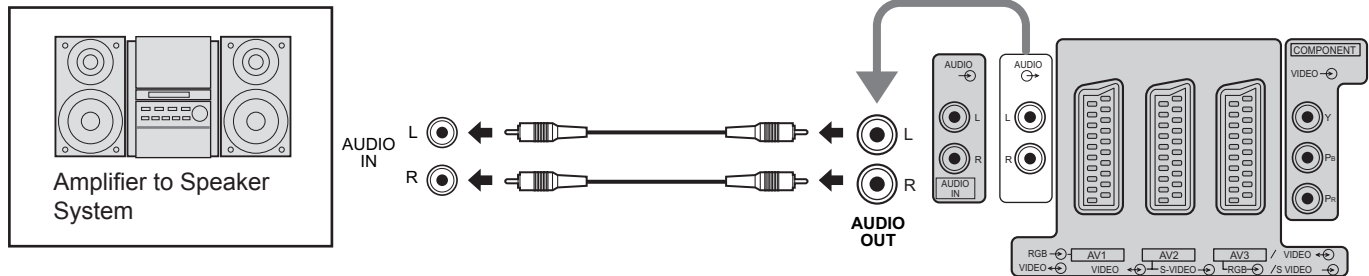


Notes:

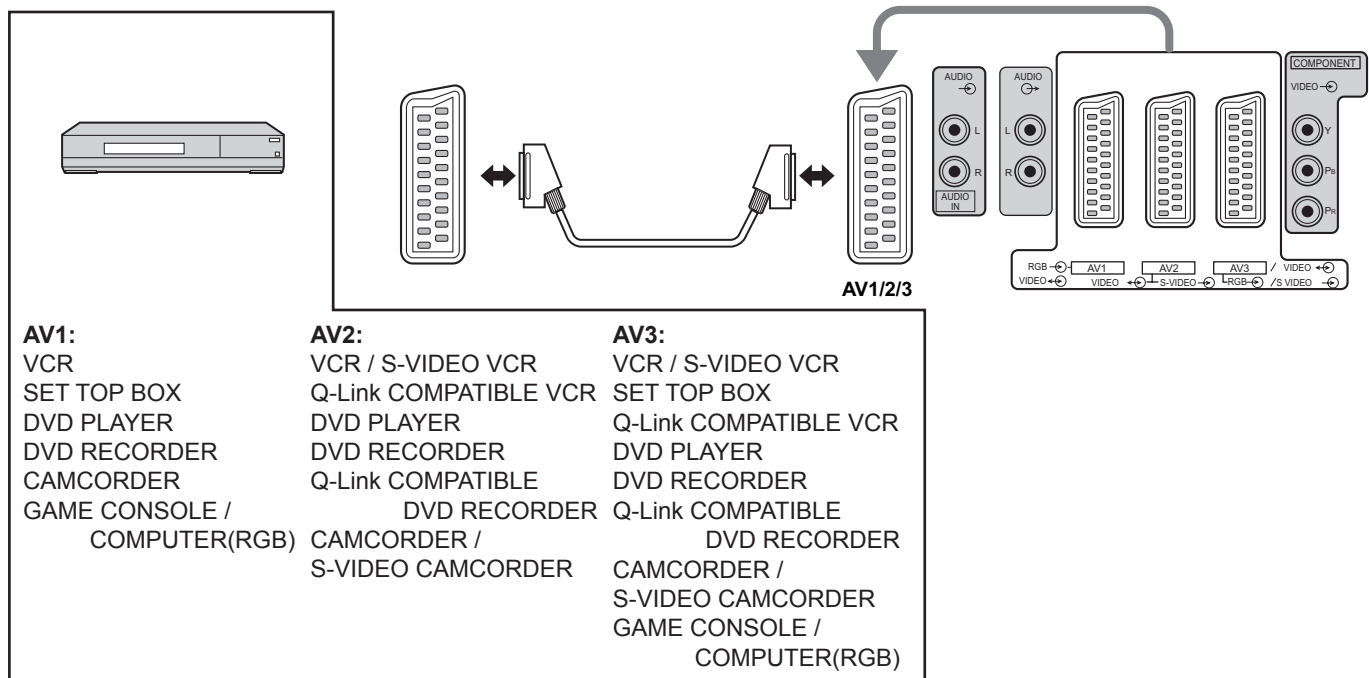
- You can also select an AV source using the **TV/AV** button on the front panel of the TV.
Press the **TV/AV** button repeatedly until you reach the AV source you wish to view.
- When in **AV mode** a reduced number of options are available in the **Sound** and **Setup** menus (e.g., in the Setup menu there is no **Tuning menu** option).

Audio / Video connections

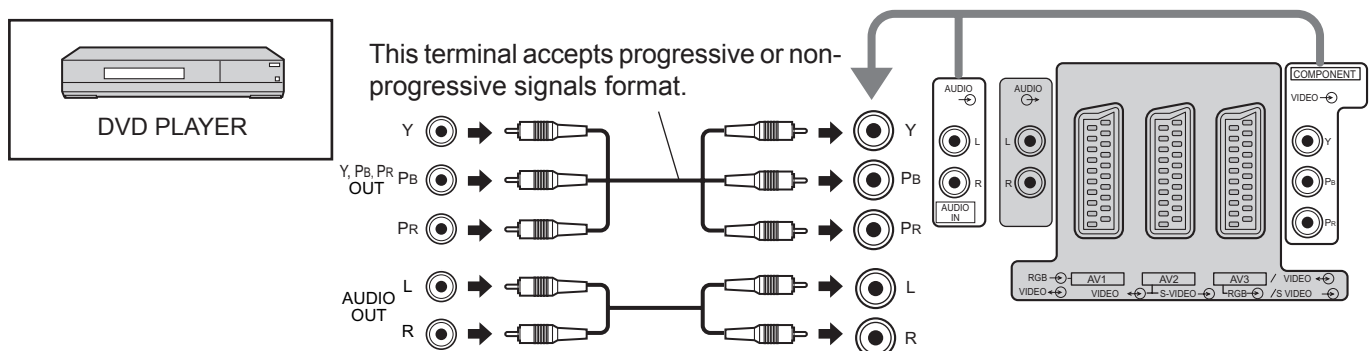
How to connect the Audio Output terminals



How to connect the AV1 / 2 / 3 Scart terminals



How to connect the Component Input terminals

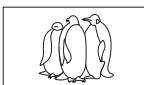


Notes:

- Additional equipment and cables shown are not supplied with this TV set.
- Do not connect a computer with TTL output (5V) to this set.
- For Scart terminal wiring information see page 30.

Troubleshooting

If there is a problem with your TV please refer to the table below to determine the symptoms, then carry out the suggested check. If this does not solve the problem, please contact your local Panasonic dealer, quoting the model number and serial number (both found on the rear of the TV).

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 AC 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).
 Normal Picture	 Weak or Distorted Sound	Sound reception may have deteriorated. Switch MPX setting (Sound menu) to Off until reception improves.

CAUTION:

Symptoms	Check
Some parts of the screen do not light up.	The plasma TV panel is manufactured using an extremely high level of precision technology, however, sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a malfunction.
After-images appear 	Do not allow a still picture to be displayed for an extended period, as this can cause a permanent after-image to remain on the Plasma TV. Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode. With no signal present, and without any user operation, the Panasonic screensaver will appear automatically after a few minutes to prevent image retention. Note: The permanent after-image on the Plasma TV resulting from fixed image use is not an operating defect and as such is not covered by the Warranty. This product is not designed to display fixed images for extended periods of time.

Sleep Feature

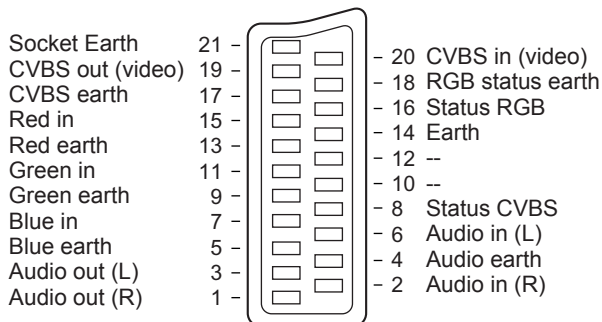
If the set is not switched off when the TV station stops transmitting, it will automatically go to standby mode after 30 minutes. This function will not operate when this TV is in AV mode.

Notes:

- External surfaces of the unit may become hot during operation. But this is completely normal.
- See label on the base of this equipment for ratings and other information.

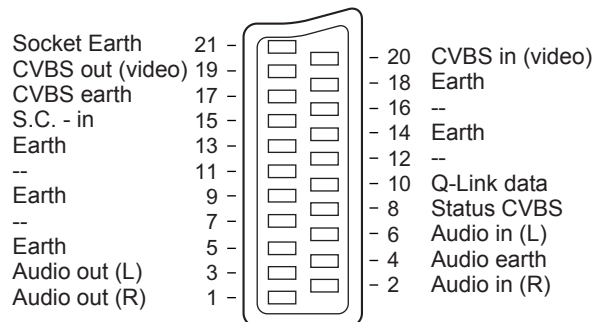
Scart terminal information

AV1 Scart terminal (RGB, VIDEO)



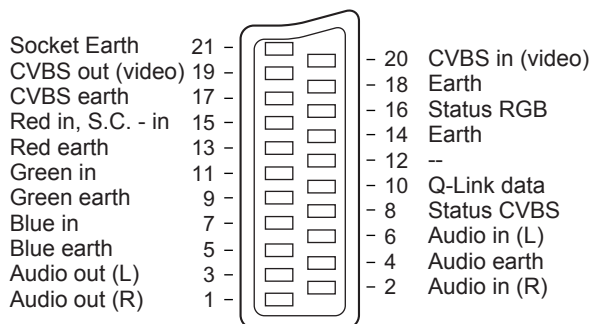
Suitable inputs for AV1 include
RGB (Red / Green / Blue).

AV2 Scart terminal (VIDEO, S-VIDEO, Q-Link)



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

AV3 Scart terminal (RGB, VIDEO, S-VIDEO, Q-Link)



AV3 - Pins 15 and 20 are dependent
on AV3 S-VHS / VIDEO switching.

Specifications

	TH-37PA50E, TH-37PA40E	TH-42PA50E, TH-42PA40E
Power Source	AC 220-240 V, 50 / 60 Hz	
Power Consumption	Average use : 245 W Standby condition : 0.3 W	Average use : 315 W Standby condition : 0.3 W
Plasma Display panel		
Drive method	AC type	
Aspect Ratio	16:9	
Contrast Ratio	4000:1	
Screen size (No. of pixels)	37-inch 818 mm (W) × 461 mm (H) × 939 mm (diagonal)	42-inch 920 mm (W) × 518 mm (H) × 1,056 mm (diagonal)
	408,960 (852 (W) × 480 (H)) [2,556 × 480 dots]	
Sound		
Speaker	12 cm × 6 cm × 2 pcs, 6 Ω	
Audio Output	16 W (8 W + 8 W), 10% THD	
Applicable signals		
Colour System	NTSC, PAL, PAL60, SECAM, Modified NTSC	
Scanning format	480i(60Hz), 480p(60Hz), 576i(50Hz), 576p(50Hz), 720p(50Hz), 720p(60Hz), 1080i(50Hz), 1080i(60Hz)	
Receiving Systems / Band name	PAL B, G, H, 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 Playback from M. NTSC Video recorders (VCR) NTSC (AV input only) Playback from NTSC Video recorders (VCR)	
Aerial - Rear	UHF / VHF	
Operating Conditions	Temperature : 0 °C - 40 °C Humidity : 20 % - 80 % RH (non-condensing)	
Connection Terminals		
AV1 (Scart connector)	21 Pin terminal (Audio/Video in, Audio/Video out, RGB in)	
AV2 (Scart connector)	21 Pin terminal (Audio/Video in, Audio/Video out, S-Video in, Q-Link)	
AV3 (Scart connector)	21 Pin terminal (Audio/Video in, Audio/Video out, RGB in, S-Video in, Q-Link)	
COMPONENT VIDEO	Y 1.0 Vp-p (including synchronization) PB, PR ±0.35 Vp-p	
AUDIO L - R	RCA PIN Type × 2 0.5 Vrms	
Output AUDIO L - R	RCA PIN Type × 2 0.5 Vrms (high impedance)	
Dimensions (W × H × D)	968 mm × 641 mm × 96.5 mm	1,068 mm × 701 mm × 96.5 mm
Weight	28.5 kg Net	33 kg Net

Notes:

- Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.
- This equipment complies with the EMC standards listed below.
EN55013, EN61000-3-2, EN61000-3-3, EN55020.

Customer's Record

The model number and serial number of this product can be found on its rear panel. You should note this serial number in the space provided below and retain this book, plus your purchase receipt, as a permanent record of your purchase to aid in identification in the event of theft or loss, and for Warranty Service purposes.

Model Number _____

Serial Number _____

Matsushita Electric Industrial Co., Ltd.

Web Site : <http://www.panasonic.co.jp/global/>

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