

TX-G10 Operating Instruction

English

←
BACK

EXIT

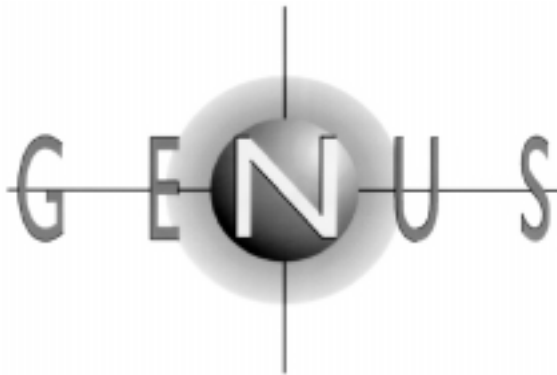
Panasonic



TX-G10

Portable Colour Television

U.K. Standard



Operating Instructions

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 tell you how to have the TV operating quickly. 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 a 220 – 240V, 50Hz a.c. mains supply, or a supply of 12 – 24V d.c., negative ground.
- To prevent damage which might result in electric shock or fire, do not expose this TV set to excessive moisture, rain, sea water or salty air.
- Avoid exposing the TV set to direct sunlight and other sources of heat.
- **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.
- 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.
- This TV set is not intended for use in moving vehicles. The d.c. power lead supplied with this unit is intended to connect the TV to a motor vehicle's power socket only if the vehicle is stationary.

Warnings and Precautions

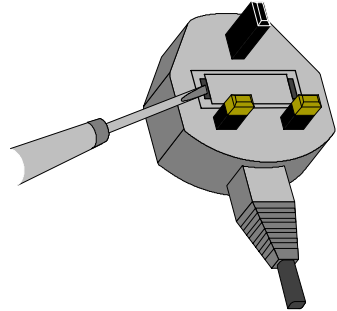
This appliance is supplied with a fitted three pin mains plug for your safety and convenience. A 5 Amp fuse is fitted in this plug. If the fuse is replaced then the replacement fuse must be 5 Amp rated and should be approved by ASTA or BSI to BS1362.

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

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

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

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



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

Important Note :
The layout of the mains plug used may differ from this illustration.

How to replace the fuse :

Lift out the removable fuse compartment with a screwdriver and replace the fuse, then refit securely into the mains plug.


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

BLUE : NEUTRAL

BROWN : LIVE

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

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

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

If the d.c. power lead should become broken, an identical replacement should be obtained from your Panasonic dealer.

Centre +  Inner wires: Brown +, Blue -  Internal Fuse: 10A, 250V

Note: If any other type of d.c. power lead is used, it must be fitted with a 10 Amp fuse.

Accessories

Check that you have the accessories and items shown



Operating Instructions
(TQB8E2573)



Fuse Rating
Warning Sheet
(TQB8E2730)



Questionnaire



TV Guarantee



CRT Guarantee

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



Remote Control Transmitter
(EUR511300)



Telescopic Aerial
(TSA8E006 / TSA120026)



AC Mains Power Lead
(TSX8E0029)



Cigarette Lighter DC Power Lead
(TSX8E0037)



Remote Control Batteries

Slide off the battery cover



Insert the batteries. Note correct polarity (+ and -)



Replace the cover



Remote Control Batteries

- Make sure that the batteries are fitted the correct way round (+ and -).
- 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.

Controls

F (Function select)

Displays the On Screen Display functions; use repeatedly to select from the available functions

Red light indicates Standby mode. Use Standby or 0-9 buttons on remote control, or + / - front panel buttons to switch TV On

+ , -

Increases or decreases the programme position by one.

If a function is displayed, increases or decreases the selected function.

When in Standby mode, switches TV On

Press and release to open flap.

MAINS Power On/Off switch

TV/AV

Used to store tuning and other function settings.

Can be used to access AV mode; press repeatedly to select **AV1**, **AV1 - S**, **AV2** or **TV**

S - VHS socket
(see page 29)

RCA Audio/Video sockets
(see page 29)

Headphone socket
(see page 29)

Controls

Standby ON/OFF

Cursor buttons

Press to move about the menus and make adjustments.

During normal picture viewing, adjusts program position and volume.

F (Function select)

Press to display the On Screen Menus (see page 10)

Programme / channel change buttons (0–9) and Teletext page buttons
(see page 27)

C (Direct Channel Access)

Allows selection of a specific channel number. Use the numeric keys to enter the channel number.

Teletext buttons
(see page 27)

Status button

Displays information about the current programme position.

Sound mute On/Off.

TV/AV

Switch between viewing TV or AV input (see page 28)

N (Normalise)

Resets picture and sound controls to their default settings.

Off timer

Can be used to switch the TV into Standby mode after a selected time. Press repeatedly to select either 30, 60 or 90 minutes.

—|—|—

Programme position access

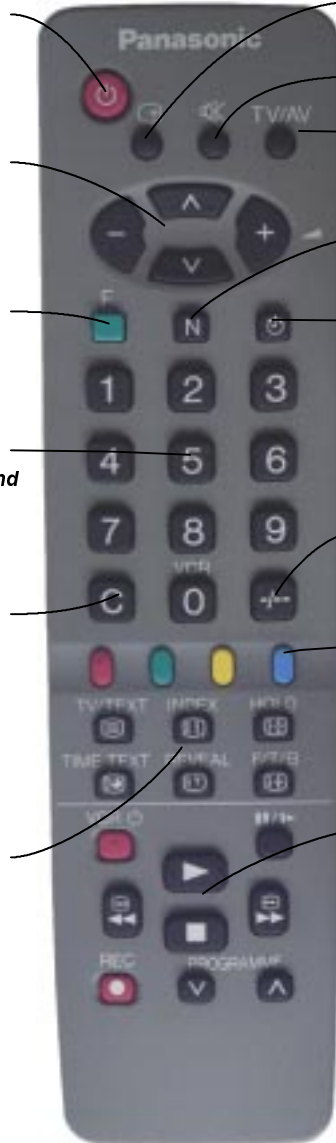
Allows fast selection of programme positions 10–60. Use the numeric keys to enter the programme position

Multi-function colour buttons

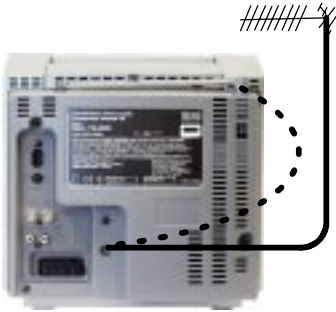
Used primarily in Teletext mode for Fastext functions (see page 27). Also used to select AV inputs (see page 28)

VCR buttons

Operate some functions of selected Panasonic VCRs (see page 31)

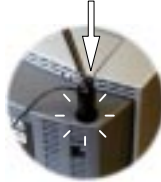


Quick Start Guide



TV only

Connect an RF cable direct to the TV Aerial socket (T), or firmly insert the telescopic aerial into the case socket (until it clicks into place, see below) and connect the cable to the TV Aerial socket (T).



TV and VCR

Connect an RF cable to the Aerial In socket of the VCR and an RF cable from the VCR Aerial Out socket to the TV Aerial socket (T).

The VCR can also be connected to the TV using a SCART cable.



Note: Additional equipment and cables are not supplied. Further details of Audio / Video connections can be found on page 29.



A.C. Operation

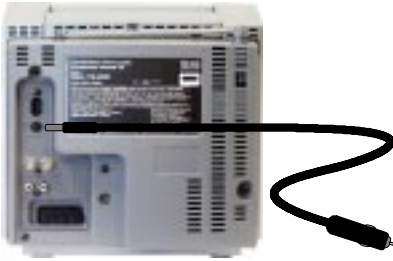
Connect the a.c. mains lead to the mains inlet socket on the rear of the TV, insert the three pin plug into an a.c. mains outlet and switch power ON.



OR



Quick Start Guide



D.C. Operation

Connect the cigarette lighter d.c. power lead jack plug to the d.c. power inlet socket on the rear of the TV. Connect the other end of the lead to a cigarette lighter socket (12V or 24V d.c. supply).



Remember that the battery will become discharged during d.c. operation.



NOTES:

If a mains supply and a d.c. supply are connected at the same time, the mains supply will be used. Only use the supplied power leads.

When operating from a d.c. supply, the television will switch off if the voltage falls below 10.7V. This will be indicated by the front panel LED, which will begin to flash.

We recommend that you switch ON the VCR's test signal – refer to your VCR operating instruction book. If a Satellite Receiver is connected, it must be tuned to either SKY ONE or SKY NEWS before starting Auto Setup.



Switch ON the TV...

Auto Setup will begin.

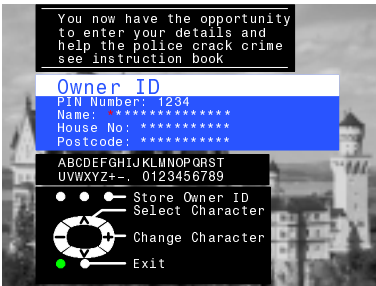
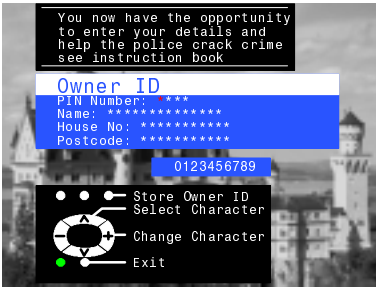
When completed, the Owner ID function will be shown. This allows you to enter personal details such as your post code for security purposes.



Power
ON / OFF



Quick Start Guide



NOTES:

If no stations are found during Auto Setup, check that the aerial is correctly connected.

If the order in which the stations are stored is not to your preference it can be rearranged. Refer to the Tuning menu Swap feature – see page 20.

IT IS IMPORTANT that you only use TV programme position '0' to view your VCR. If your VCR picture does not appear on programme position '0' (the VCR position), it will be necessary to either adjust the RF channel of the VCR, or to adjust the tuning of the TV's programme position '0' until the RF output of the VCR is received.

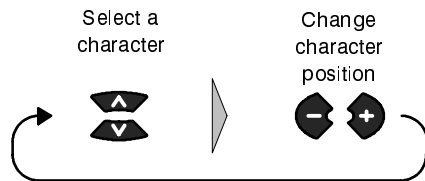
If you are not in the UK when the television is switched on for the first time, you will need to use the Auto Setup feature again to tune – in local stations – see page 12.

Use the remote control's numeric buttons to enter a PIN number:



Repeat until the PIN number is complete. For future reference make a written note of your PIN number in the spaces provided on page 23. You will not be able to change your personal details without this PIN number.

Use the remote control's cursor buttons to enter other details:



Repeat until entry is complete. You do not have to fill each character position.



Press the **TV/AV** button to store the details...



press **TV/AV** again when you are asked "Are you sure?".



Now Auto Setup is complete, try these basic controls:

Change program position



Adjust volume



Menu System

This TV uses a system of On-Screen Displays (OSDs) to access functions



Some functions use the TV/AV button.

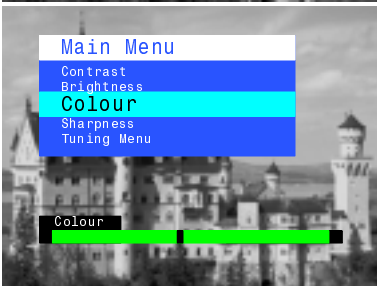
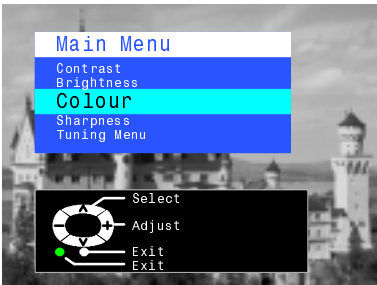
1 Press the **F** button to display the menus.

2 Use the cursor buttons to move about the menus and make adjustments.

3 Press the **N** button to exit the menus.

Main Menu

The Main Menu allows you to adjust the **main picture controls** and provides access to the **Tuning Menu**.



For example, to adjust the **Colour** level:

Display the **Main Menu**...



select the **Colour** option...



make the desired adjustment.



Exit the menus

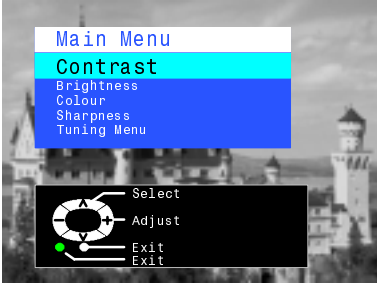


Note: If you wish you can adjust several different options before exiting the menus. If the option bar disappears before you have finished your adjustment, press the left or right cursor button again and it will reappear.

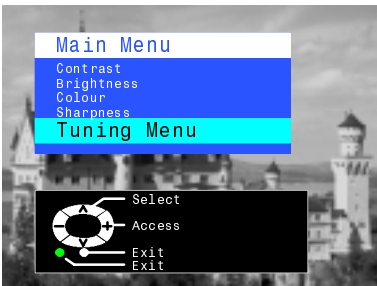
Menu System

Tuning Menu

The **Tuning Menu** provides access to the **Auto Setup**, **Manual Tuning**, **Shipping Condition**, **Swap** and **Owner ID** features.



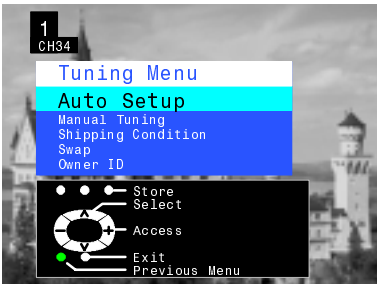
Display the **Main Menu**.



Select the **Tuning Menu** option...



...access the **Tuning Menu**.



Select the desired option...



The options available on the **Tuning Menu** are described on the following pages...

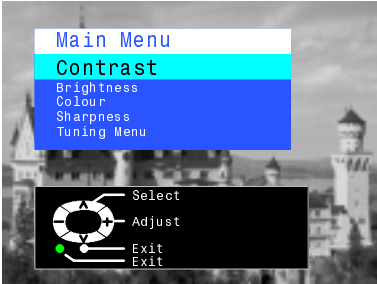
Menu System

Auto Setup

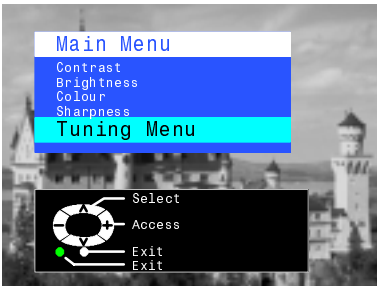
This television is capable of receiving programmes broadcast in PAL and SECAM television standards, used in many countries.

Auto Setup allows you to select different countries – the television will then select the correct broadcast standard for that country before performing the Auto Setup procedure.

(It may be necessary to manually select the correct sound system – see page 24).



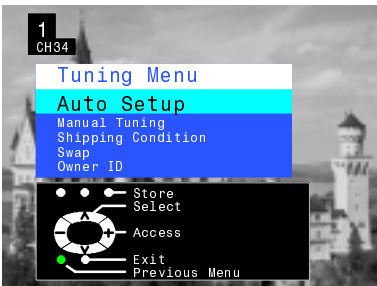
Display the **Main Menu**.



Select the **Tuning Menu** option...



access the **Tuning Menu**...



access **Auto Setup**...



Menu System

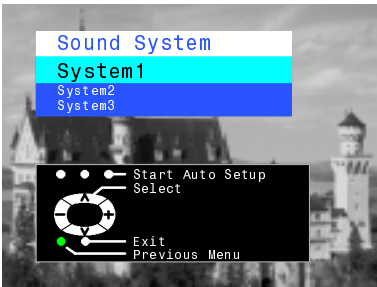
Auto Setup



Select the appropriate country...



press **TV/AV** to start Auto Setup.



NOTE: If you select the 'Other Countries' option, you will need to manually select the correct sound system.
For each broadcast standard, all channels will be searched (channels 02 – 69 / H21 – H41) including VHF and cable channels.

This may take several minutes to complete.

Select the correct sound system...

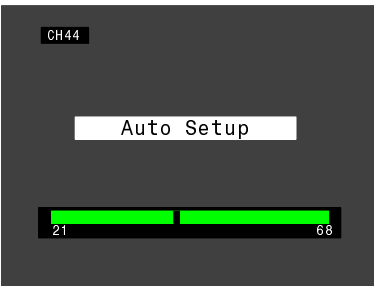


press **TV/AV** to start Auto Setup.



As a guide, a selection of countries and their appropriate setting are listed below:

System	Broadcast Standard	Sound Systems	Applicable countries
1	PAL / SECAM	B, G, H	Germany, Netherlands, Italy, Spain, Greece, Turkey, Portugal, Scandinavia
2	PAL	I	United Kingdom, Ireland
3	PAL / SECAM	D, K	Poland and Eastern Europe



Auto Setup will begin.

The tuning scale shown at the bottom of the screen depends upon the country or standard selected.

When a country other than United Kingdom is selected, additional options will appear on the Tuning Menu (after Auto Setup is complete).

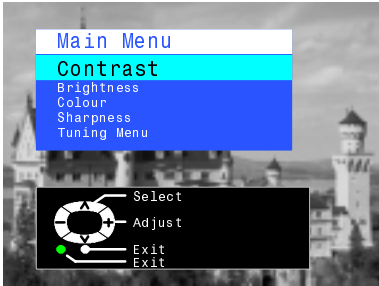
See pages 24 to 26.

Menu System

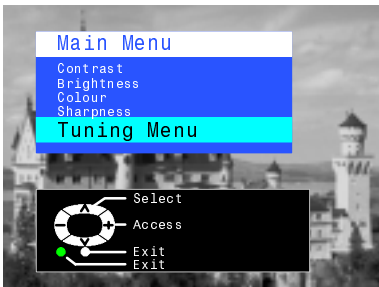
Manual Tuning

Manual Tuning allows you to tune individual programme positions to a specific station of your choice.

(Outside the UK it may be necessary to manually select the correct sound system – see page 24).



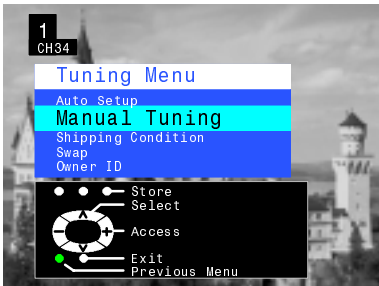
Display the **Main Menu**.



Select the **Tuning Menu** option...



access the **Tuning Menu**...



select the **Manual Tuning** option...

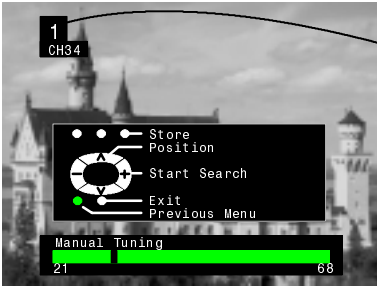


access **Manual Tuning**...



Menu System

Manual Tuning



Select the programme position to be returned...



start search.



The television will begin to search for stations. When a station is found the search will pause; if it is **not** the correct station, you can press the - or + cursor buttons to continue searching...

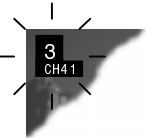


...when the desired station is found press the TV/AV button to store the programme position:

TV/AV



NOTE: The programme position and channel number indicators will flash to indicate the station is being stored:



Select a new programme position and repeat the search process until you have tuned and stored all the desired stations.

When finished, press the N button to exit the menus.



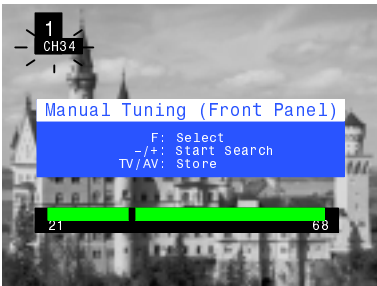
Menu System

Manual Tuning – using front panel controls

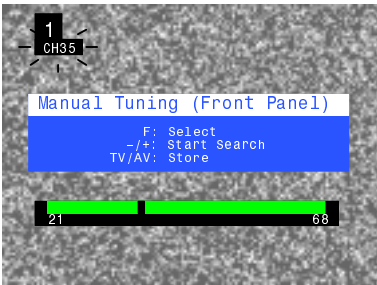
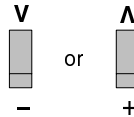
Manual Tuning can also be performed using the controls on the television's front panel.



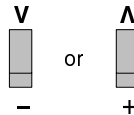
Press the **F** button repeatedly until **Manual Tuning** is displayed...



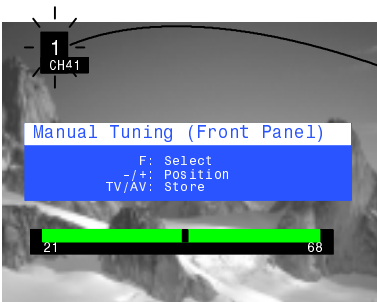
press **-** or **+** to enter **Manual Tuning...**



press **-** or **+** to begin searching for stations.



The television will begin to search for stations. When a station is found the search will pause; if it is **not** the correct station, you can press the **-** or **+** buttons to continue searching.

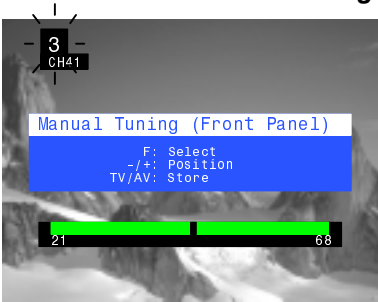


When the desired station is found, press the **F** button to move to the programme position indicator.

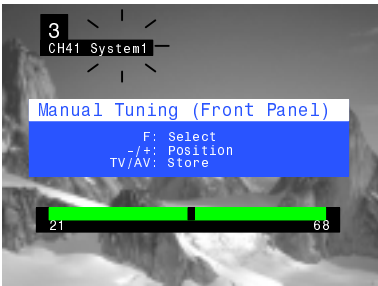
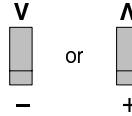


Menu System

Manual Tuning – using front panel controls

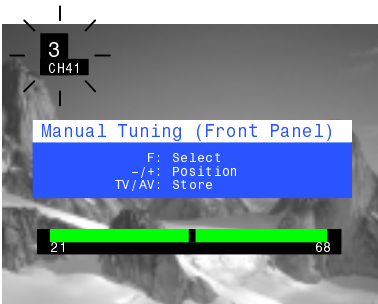
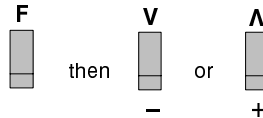


Press – or + to select the programme position in which the station is to be stored.



NOTE: If the country selected is not United Kingdom (see page 13) the system selector will become available.

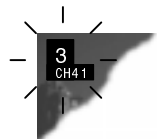
Press the **F** button followed by – or + to select the correct sound system (see page 25).



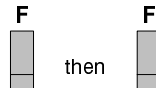
Press **TV/AV** to store the programme position.



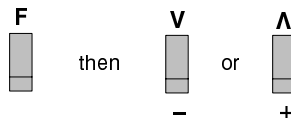
NOTE: The programme position and channel number indicators will flash to indicate the station is being stored:



To tune further stations press the **F** button twice and repeat the tuning process:



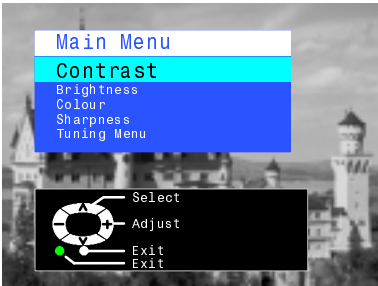
To exit **Manual Tuning**, press **F** then – or +.



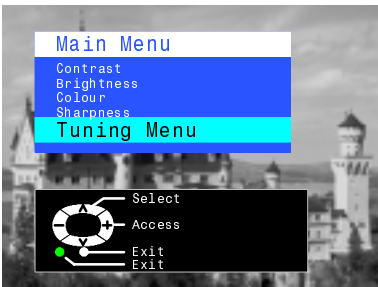
Menu System

Shipping Condition

Shipping Condition allows you to reset the television to its original factory settings.



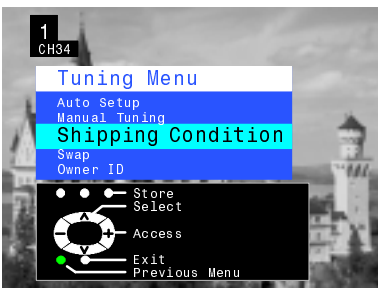
Display the **Main Menu**.



Select the **Tuning Menu** option...



access the **Tuning Menu**...



select the **Shipping Condition** option...



access **Shipping Condition**...



Menu System

Shipping Condition



press **TV/AV** to start...



press **TV/AV** again when you are asked
"Are you Sure?".



The television will be reset to its original
factory settings.

Press the **N** button to exit the menus.



You can now use Auto Setup (see page 12),
or Manual Tuning (see page 14)
to retune the television.

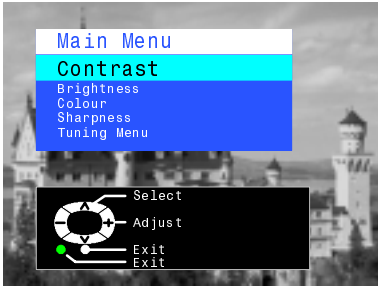
Alternatively, switch off the television,
wait for ten seconds and switch on again.

Auto Setup will begin automatically as
described on page 8.

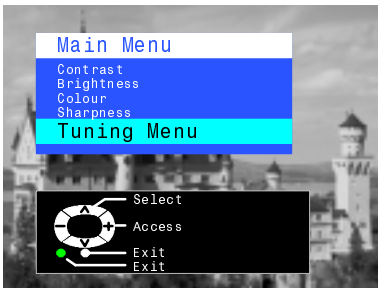
Menu System

Swap

Swap allows you to interchange one programme position with another.



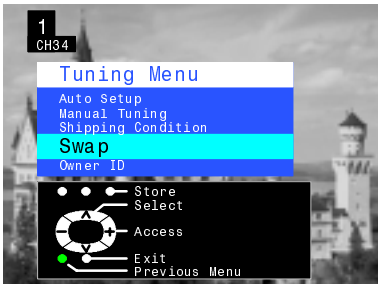
Display the **Main Menu**.



Select the **Tuning Menu** option...



access the **Tuning Menu**...



select the **Swap** option...

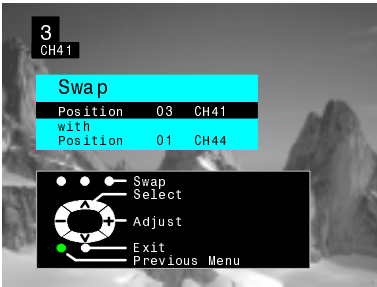


access **Swap**...

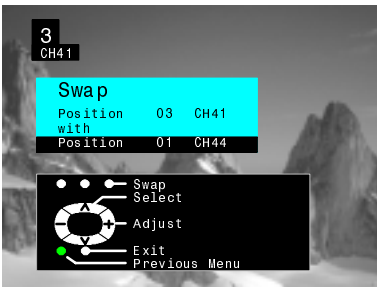


Menu System

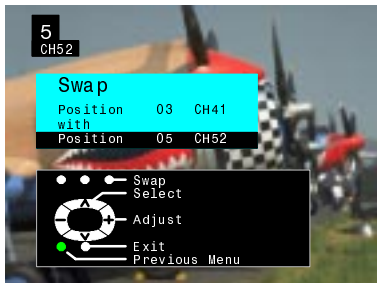
Swap



Select the first programme position to be swapped...



move to the lower programme position selector...



select the other programme position to be swapped...



swap the programme positions.

TV/AV



The stations appearing on the two selected programme positions will now be interchanged.

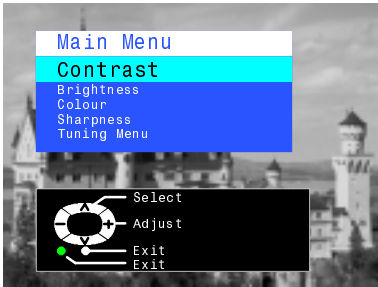
Press the **N** button to exit the menus.



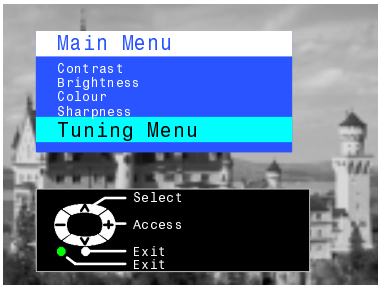
Menu System

Owner ID

Owner ID allows you to enter or edit personal data for security purposes.



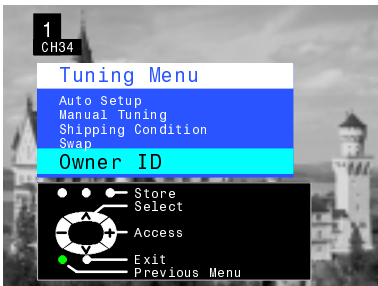
Display the **Main Menu**.



Select the **Tuning Menu** option...



access the **Tuning Menu**...



select the **Owner ID** option...



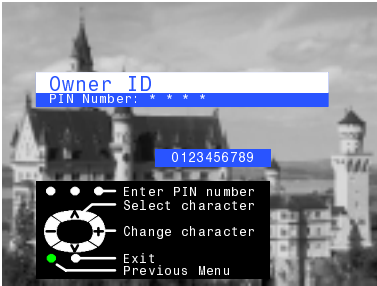
access **Owner ID**...



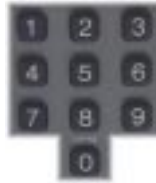
Menu System

Owner ID

Note: If a PIN number has been entered previously, you will be prompted to re-enter it before editing can continue:



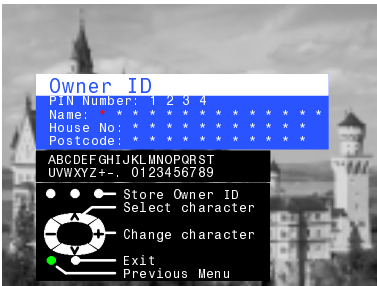
Enter the PIN number using the remote control's numeric buttons...



Note: If you enter the wrong PIN number "incorrect PIN Number" will appear on the screen. Re-enter the PIN number as shown above.

press the **TV/AV** button to continue.

TV/AV



Select the required character using the up and down cursor buttons...



move to the next character position...



repeat until the entry is complete.

PIN:

--	--	--	--



Note: You do not have to fill each character position. For future reference make a written note of your PIN number in the spaces opposite. You will not be able to change your personal details without this PIN number.

Press the **TV/AV** button to store the details...

TV/AV



press **TV/AV** again when you are asked "Are you Sure?".

TV/AV



Press the **N** button to exit the menus.



Menu System

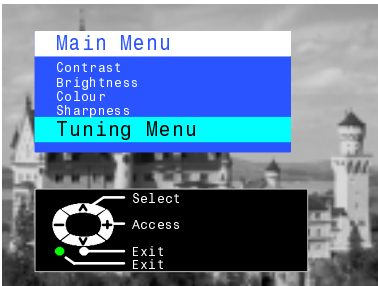
Sound System

(Available on Tuning Menu only when country selected is not United Kingdom. See page 13).

During Auto Setup, the television will select the correct broadcast standard (PAL or SECAM) for the selected country, but it may be necessary to manually set the correct sound system.



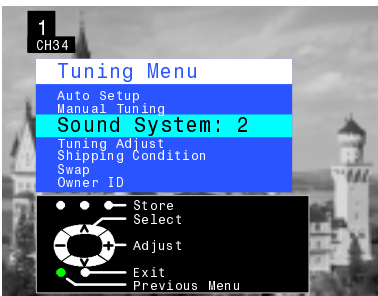
Display the **Main Menu**.



Select the **Tuning Menu** option...



access the **Tuning Menu**...

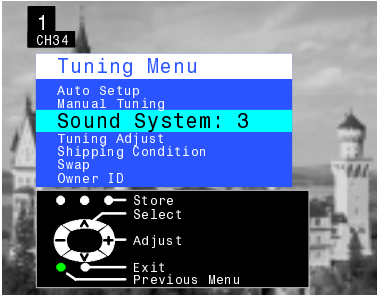


select the **Sound System** option...



Menu System

Sound System



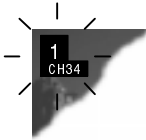
select the correct sound system...



press the **TV/AV** button to store the setting.



NOTE: The programme position and channel number indicators will flash to indicate the station is being stored:



Press the **N** button to exit the menus.



As a guide, a selection of countries and their appropriate setting are listed below:

Setting	Broadcast Standard	Sound Systems	Applicable Countries
1	PAL / SECAM	B, G, H	Germany, Netherlands, Italy, Spain, Greece, Turkey, Portugal, Scandinavia
2	PAL	I	United Kingdom, Ireland
3	PAL / SECAM	D, K	Poland and Eastern Europe
4	SECAM	L, L'	France

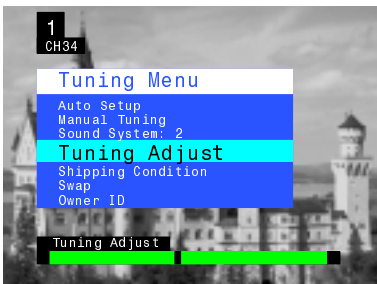
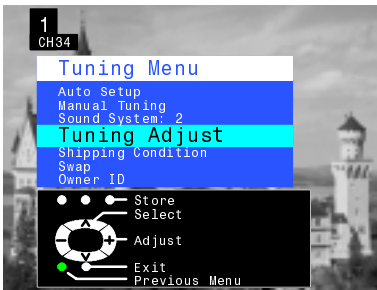
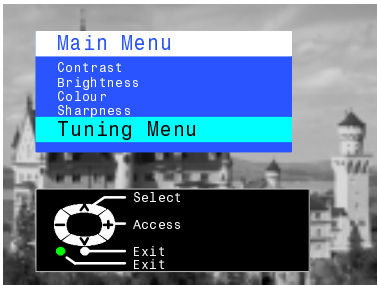
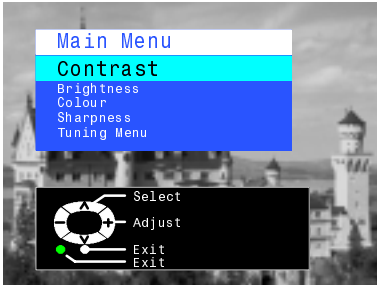
If the country in which you are situated is not listed in the table above, you should try each sound system setting until the sound and picture are correctly received.

Menu System

Tuning Adjust

(Available on Tuning Menu only when country selected is not United Kingdom. See page 13)

Tuning Adjust allows you to make fine adjustments to the tuning of a programme position. This may be necessary when a nearby station is causing interference with the tuned station.



Display the **Main Menu**.

F



Select the **Tuning Menu** option...



access the **Tuning Menu**...



select the **Tuning Adjust** option...



alter Tuning...

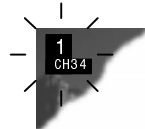


press the **TV/AV** button to store.

TV/AV



Exit the menus



NOTE:
The programme position and channel number indicators will flash to indicate the station is being stored:

Teletext

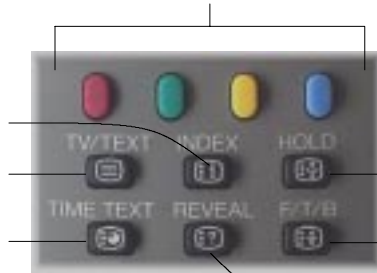
Teletext is the broadcast of pages of information on your TV screen containing various subjects, the order and availability of which is dependent upon the Broadcasting Companies. If the **F** button is pressed whilst in Teletext operation, only the Contrast can be adjusted. It is not possible to adjust the Brightness function when in Teletext operation.

Coloured buttons select the FASTEXT / Normal options displayed at the bottom of the teletext page.

Selects the relevant Index page

Switches between TV and Text mode

Enters sub-page access mode



Freezes the current page

Enlarges the top or bottom of the display

Displays quiz page answers

To select a Teletext page, press the **TV/TEXT** button, then enter the three digit page number:



Index

In FASTEXT mode, returns to the relevant 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.

Sub-page Access (Time Text button)

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. It is possible to enter the required sub-page and skip the pages in between.

Select the required page number using buttons 0 – 9.

Press **TIME TEXT**.

Press **RED (-)** or **GREEN (+)** to select the required sub-page.

When the page is found, it will be displayed.

Press **TV/TEXT** to exit Teletext operation.

FASTEXT / Normal Automatic Selection

On switching to Teletext, normal mode will be displayed whilst a search is performed for FASTEXT transmissions, if one is found, the boxes at the bottom of the screen will change to show the available subjects.

If a FASTEXT signal is not found then the TV will operate in Normal mode whereby the :

Red button moves one page down.

Green button moves one page up.

Yellow button moves up in blocks of ten pages.

Blue button moves up in blocks of 100 pages.

AV Connections

AV input selection

Pressing the **TV/AV** button during normal viewing allows you to view the signal from external equipment connected to one of the AV inputs.

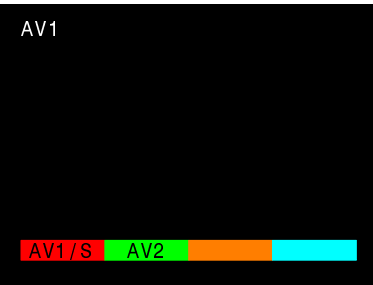


Press the **TV/AV** button...

TV/AV



Note: You can also use the television's front panel **TV/AV** button for AV selection – see *Controls* on page 5.



press the Red multi-function colour button to select AV1.

Press again to select AV1-S.



Or...

press the Green multi-function colour button to select AV2.



Notes: If the selector bar disappears before you have made your selection, or you wish to change from one AV input to another, press any of the multi-function colour buttons to make it reappear.

If an NTSC input source is detected during AV mode, an extra **Tint** option will appear on the Main Menu.



To return to viewing normal broadcast signals, press the **TV/AV** button again.

TV/AV



AV Connections

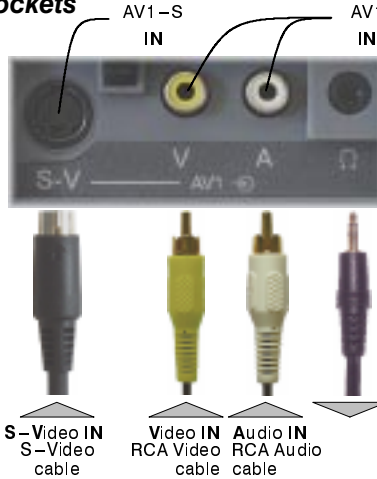
AV inputs

External equipment can be connected to the various AV inputs and outputs provided.
See page 28 for information on selecting the inputs for viewing.

Front AV and Headphone sockets

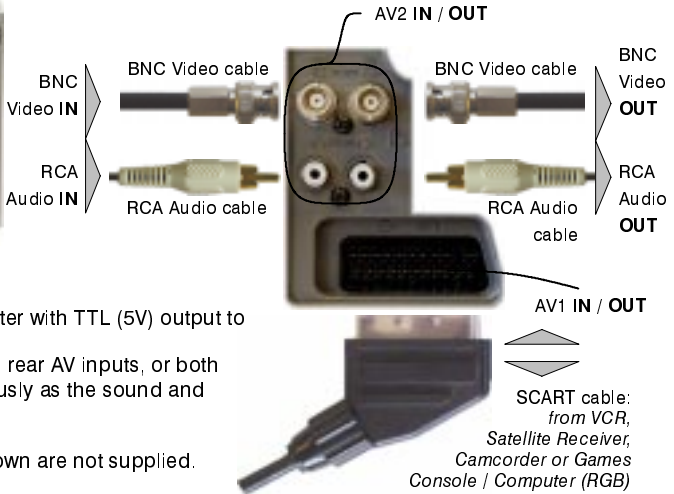


Press and release to open



Headphones **OUT**
(3.5mm plug).
(The TV's speaker will be disconnected whilst headphones are connected.)

Rear AV sockets



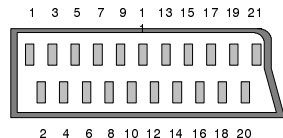
Notes:

- Do not connect a computer with TTL (5V) output to this television.
- Do not connect front and rear AV inputs, or both front AV inputs, simultaneously as the sound and picture will be mixed.

Connectors and cables shown are not supplied.

AV1 SCART Socket Connections

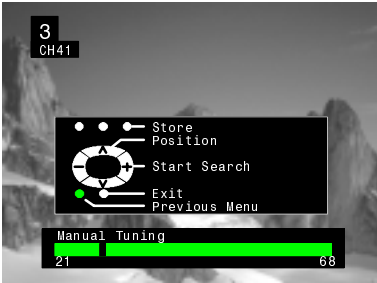
- | | | | |
|----|-------------------------------|----|------------------|
| 1 | Audio Out | 2 | Audio In (R) |
| 3 | Audio Out | 4 | Audio Earth |
| 5 | Blue Earth | 6 | Audio In (L) |
| 7 | Blue In | 8 | Status CVBS |
| 9 | Green Earth | 10 | [Not Connected] |
| 11 | Green In | 12 | [Not Connected] |
| 13 | Red Earth | 14 | Earth |
| 15 | Red In | 16 | Status RGB |
| 17 | CVBS Earth | 18 | RGB Status Earth |
| 19 | CVBS Out (video) Socket Earth | 20 | CVBS In (video) |



VCR Installation

Your new television is supplied with programme position '0' set to receive an RF signal from your VCR, although a SCART connection is preferable if the VCR is so equipped. However, if for some reason your VCR is tuned to a different RF channel then you will not receive any picture or sound from your VCR on programme position '0' of the television. It will be necessary to either adjust the RF channel of your VCR (some VCR's allow adjustment of their RF channel via their remote control unit) or to adjust the tuning of the television's programme position '0' or both until the the RF output channel of your VCR is received. If a Satellite Receiver and a VCR are going to be used with RF cable connections it is **important** to avoid both units being set on the same channel. **It is intended that this advice is used in conjunction with the instruction books for your additional equipment.**

To tune the television to your VCR...



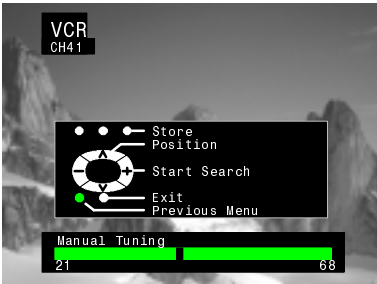
Access the Manual Tuning function (see page 14 for details).



Select television programme position '0' (VCR).



Insert a recorded tape in the VCR and start playback.



Start the Search

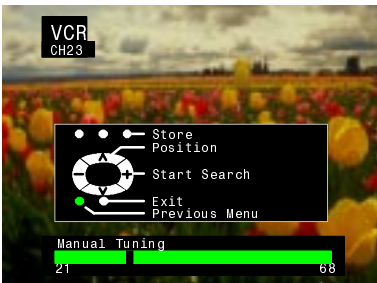


When the VCR output appears on screen, press the TV/AV button to store the programme.

TV/AV



Press the N button to exit the menus.



VCR Operation

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



Troubleshooting

Before calling for service, determine the symptoms and make a few simple checks as shown below. For service please contact your local Panasonic dealer quoting the model number and serial number (both are located at the rear of the TV).

Picture	Sound	Checks
Snowy Picture or Multiple Images	Noisy Sound or Normal Sound	Aerial location, direction or connection. Telescopic aerial not extended.
Interference	Noisy Sound	Electrical appliances, vehicles, fluorescent lights.
Normal Picture	Noisy or No Sound	Volume level or sound muted. Incorrect sound system selected.
No Picture	No Sound	No power connected, not switched on or in Standby mode. Battery is discharged. Picture / sound controls set at minimum levels.
No Colour	Normal Sound	Colour controls set at minimum levels.
Poor or Distorted Picture	Normal or Weak Sound	Retune channel(s). Incorrect sound system selected.

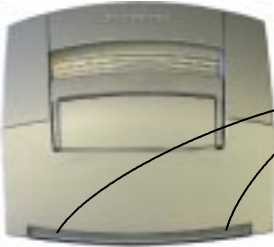
If the set shuts down during battery operation due to low battery voltage, the front panel LED will flash.

Removing the Visor

The transparent grey visor attached to the front of the set is designed to improve picture contrast in most viewing situations.

Occasionally, however, it may be beneficial to remove the visor for viewing purposes or for cleaning the picture tube.

Top view of TV



Locate the fixing tabs at the top of the visor...



pull the top of the visor forward,
then lift upwards.



Store the visor in a safe place to
avoid damage.

To refit the visor, insert the bottom
fixing tabs into the cabinet and
then push the top of the visor
firmly into place.

