Panasonic

Operating Instructions LCD TV

Model No. TX-26LX1F **TX-32LX1F TX-26LX1P TX-32LX1P**





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



Dear Panasonic Customer,

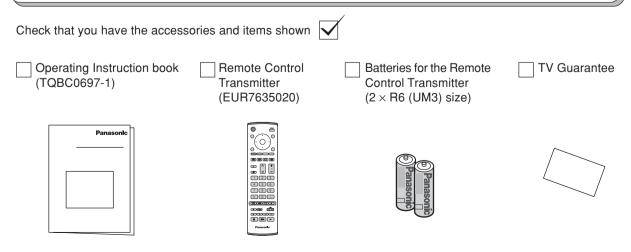
We hope that you have many years of enjoyment from your new TV. The **Quick Start Guide** section at the beginning of this instruction book will allow you to use the TV as quickly as possible. We recommend that you then read the complete instruction book, and keep it to refer to as you explore the range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

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Accessories



Warnings and Precautions

- This TV set is designed to operate on AC 220-240 V, 50 / 60 Hz.
- To prevent damage which might result in electric shock or fire, do not expose this TV set to rain or excessive moisture. This TV must not be exposed to dripping or splashing water and objects filled with liquid, such as vases, must not be placed on top of or above the TV.

WARNING : HIGH VOLTAGE!!!

Do not remove the rear cover as live parts are accessible when it is removed. There are no user serviceable parts inside.

• TV Games / Home Computers

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

- Reduce the brightness and contrast levels to a minimum viewing level.
- 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 LCD TV screen.
- · Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode.
- This type of LCD panel damage, is not an operating defect, and as such is not covered by the Panasonic warranty.

• 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 before connecting or disconnecting any leads, or if the TV set is not used for a prolonged period of time.

Note:

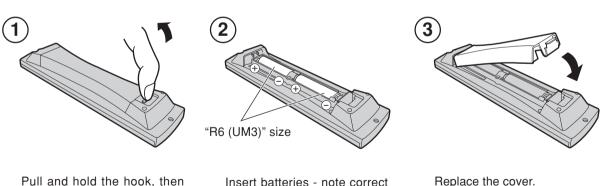
If the set is not switched off when the TV station stops transmitting, it will automatically go to Standby mode after 30 minutes. This function will not operate when the TV is in AV mode.

Cabinet and LCD panel care

Remove the mains plug from the wall socket. The cabinet and LCD panel can be cleaned with a soft cloth moistened with mild detergent and water. Do not use solutions containing benzol or petroleum.

- When ambient temperature is cool, the picture may take a short time to reach normal brightness, but this is not a malfunction. (After brief moment, the picture will have normal brightness.)
- Adequate ventilation is essential to prevent failure of electrical components, we recommend that a gap of at least 10 cm is left all around this television receiver even when it is placed inside a cabinet or between shelves.
- Avoid exposing the TV set to direct sunlight and other sources of heat. To prevent fire, never place any type of candle or naked flame on top or near the TV set.

Fitting remote control batteries



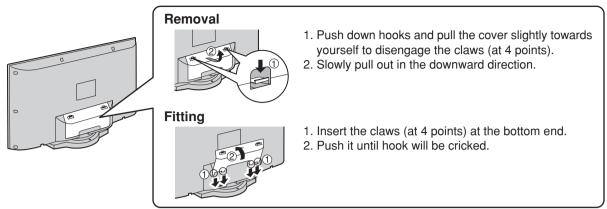
open the battery cover.

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

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.

Cable cover removal and fitting

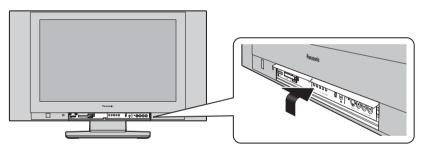


Note:

To avoid interference appearing on the screen, do not bundle the RF cable and mains lead together.

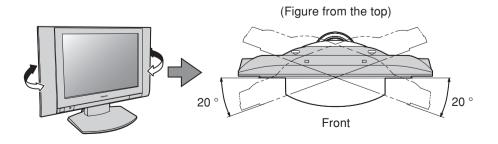
How to open the front cover

Rise the lower part of " \triangle ".



How to use the LCD stand

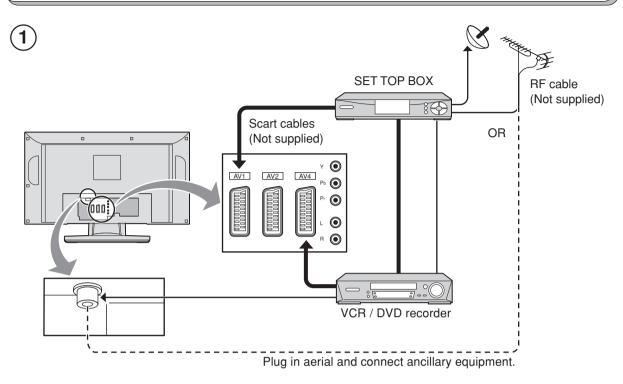
Adjust the stand to your desired angle. The stand angle can be adjusted between 40 ° right-and-left direction.

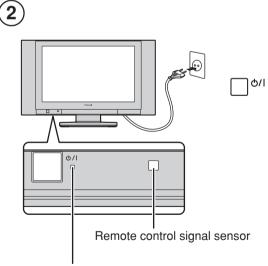


Note:

The stand angle cannot be adjusted forward and backward.

Quick Start Guide





Connect the mains plug to the wall socket.

Press the ^{6/1} switch on the TV set to turn the set on.

To switch the TV set to Standby mode, press the 🕑 button on the remote control.

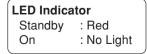
The TV set can be switched on by pressing the button again if it was switched to Standby mode.

Note:

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



Power Indicator



Quick Start Guide



Start ATP	Suchlauf	Abbruch

CH12			
		IN PROGRES	-
	02	78:01	41
EXI	T : To exit		

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 16.

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 17.



Red



3

Once Auto setup is complete, if you are installing a new Q-Link compatible recording device, you can now switch it **On**. Downloaded tuning data will match the television's. Not all devices support this download of programme information, some may require to be started manually. See the device's instruction book for details.

- 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.
- If Q-Link is not operating correctly, check it is connected to the TV's correct Scart terminal, the Scart cable is a "full function" type, and the device is compatible with Q-Link, NEXTVIEWLINK or similar technologies.

Ask your dealer for further details.

• For further information on Q-Link and connecting equipment. See page 17, 32.



We recommend that as soon as the Auto setup feature is completed, the picture controls are reset to normal viewing levels. To do this, press the N button.





Basic controls: front panel and remote control

F (Function select) Displays the On Screen Display functions, use repeatedly to select from the available functions - Volume, Backlight, Contrast, Brightness, Colour, Increases or decreases the programme Sharpness, Tint (in NTSC mode), Bass, Treble, Balance and Tuning mode. position by one. When a function is already displayed, press to increase or decrease the selected function. When in Standby mode. STR (Normalization store) . switches TV On. Used to store tuning and other function settings. Headphones iack (see page 31) PC Card slot (see page 24) -MAINS Power SD Card slot TV/AV button AV3 terminals On / Off switch (see page 24) (see page 31) (see page 31) ୦/ା Ü 山山 rh. \mathbf{H} 'n STR F -/V +/A TV/AV Photo View mode button Standby On / Off button -(see page 23-26) Switches TV On or Off (Standby mode). Switch between viewing TV or AV input. Status button -(see page 31) Press to display programme position, TV/A Press to store settings in Sound menu, programme name, channel number, Tuning menu and Teletext, or to change time. MPX mode. Receiving system. between Multi and Single mode during Aspect mode and programme table. Photo View mode. Menu button -MEN EXIT Cursor buttons to make selections and Press to access the **Picture**, **Sound** adjustments. and Setup menus. (see page 8-11) Exit the mode. Teletext buttons (see page 28-30) · Coloured buttons used for Aspect functions (see page 18-20) Programme edit functions N (Normalize) button -- N (see page 13, 14) Resets all settings to their default levels. Teletext functions (see page 28-30) - dX AV selection (see page 31) Channel up / down button -1 3 Volume up / down button Sound mute On / Off -Programme / channel change 4 5 6 buttons (0-9) and Teletext page buttons. Direct channel access -(see page 28, 29) 8 9 7 During normal TV viewing or when in the When in Standby mode, switches TV On. Tuning, Programme edit or Manual tuning menus, press and then enter С 0 -/-channel number using the numeric Programme position for selection of two ASPECT OW DIRECT TV REC buttons. digit programmes (10-99) using numeric buttons. VCR REC \bigcirc **DIRECT TV RECord** button ASPECT control button . PROGRAMME (see page 17) (see page 18-20) \sim ~ **MULTI WINDOW** button ⊪/▶ (see page 21, 22) Ambience On / Off (see page 10) -VCR / DVD buttons Panasonic

TV

7

(see page 27)

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.

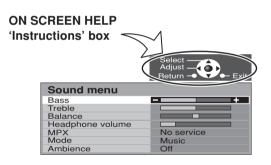
The **OK** button is used with a number of features to store settings after adjustments have been made or options have been set.

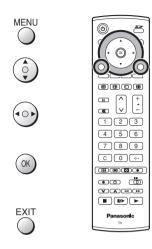
The **EXIT** button is used to exit the menu system and return to the normal viewing screen.

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.





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, Backlight, Contrast, Brightness, Colour, Sharpness, Tint (in NTSC only), Colour balance, AI, P-NR and MPEG NR 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 AV4. Changes will be stored automatically. By analysing and processing the incoming picture, all three modes feature automatic enhancement.

Backlight, Contrast, Brightness, Colour, Sharpness

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

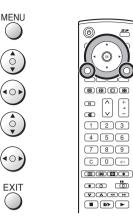
- TintWith an NTSC signal source connected to the TV, the
picture hue can be adjusted to suit your taste.
- Colour balanceAllows you to set the overall colour tone of the picture.
Choose from Cool, Normal and Warm.
- AI Automatically analyses the incoming picture and processes it to give improved contrast and optimum depth of field.
- **P-NR** Automatically reduces unwanted picture noise.
- MPEG NR
 Reduces MPEG noise.

 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.

 Note:

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





Picture menu	
Viewing mode	Dynamic ===
Backlight	
Contrast	
Brightness	
Colour	
Sharpness	
Tint	
Colour balance	Normal
AI	On
P-NR	Auto
MPEG NR	Off



Picture menu	
Viewing mode	Dynamic
Backlight	
Contrast Brightness	
Colour	
Sharpness	
Tint	
Colour balance	Normal ==
AI	On ==
P-NR	Auto
MPEG NR	Off =

Sound menu

Press the MENU button.

Move to choose Sound menu.

Access Sound menu.

Move to choose menu option.

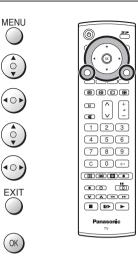
Adjust chosen option or access chosen menu.

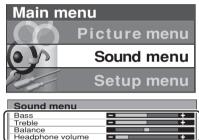
Press the EXIT button at any time to go back to watching TV.

Pressing the OK button after having adjusted some features will store the setting as the default (replacing the factory setting).

Increase or decrease level to enhance or minimise

The Ambience effect can be obtained without the use





Sound menu	
Bass	+
Treble	
Balance	
Headphone volume	
MPX	INO SERVICE
Mode	Music
Ambience	Off

2400	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.	
Headphone volume	Can be adjusted independently of the TV speakers so that everyone can enjoy listening at a level comfortable for them.	
МРХ	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.	S Bi Tr Bi Hi M An
Mode	Sound quality can be improved when watching music scene or drama by selecting the appropriate Music or Speech mode.	S Bi Tr Bi H
Ambience	To enjoy a concert hall effect, turn Ambience On . Switching is also possible by pressing the Ambience button. The benefits of Ambience sound are enormous. You can be completely enveloped in sound; just as if you were at a concert hall or cinema.	M An Bi Tr Bi

of external Ambience speakers.

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

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

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

Bass

Setup menu

Press the MENU button.

Move to choose Setup menu.

Access Setup menu.

Q-Link

Teletext

Off timer

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.

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 AV4. See page 17. AV2 / AV4 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 / AV4 or Monitor - the picture displayed on screen. Allows you to choose between TOP or List mode. See page 28-30. Switches the TV off within a preset time which you can choose from between 0 to 90 minutes in 15 minute intervals. 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 input and AV4C input mode. Select character set, so that all characters needed are Text language availabe 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 **Tuning menu** Provides access to many other features including Programme edit and Auto setup. See page 13-15. When you first install the TV, the On Screen Display

OSD language 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 12.

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



MENU

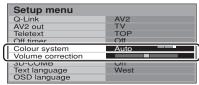


Setup menu	
Q-Link	AV2
AV2 out	TV ===
Teletext	TOP =
Off timer	Off
3D-COMB	On 💻
Text language	West
I uning menu	
OSD language	

Setup menu	
Q-Link	AV2
AV2 out	TV
Teletext	TOP
Off timer	Off
3D-COMB	On
Text language	West
Tuning menu	Access
OSD language	

Setup menu	
Q-Link	AV2
AV2 out	TV
Teletext	TOP
Off timer	Off
3D-COMB	On
Text language	West
Tuning menu	
OSD language	Access

AV mode



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.

Pressing the **OK** button after having adjusted some features will store the setting 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 13, 14.	
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 15.	
Manual tuning	Allows individual programme positions to be tuned manually. See page 16.	0100
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 / AV4)	This option is used when a decoder is connected via AV2 / AV4. 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 / AV4 via a Q-Link device).	



OK

Main menu	
	ture menu
S S	ound menu
S	etup menu
Setup menu	
Q-Link	AV2 TV
AV2 out Teletext	TOP
Off timer 3D-COMB	Off On
Text language	West
Tuning menu OSD language	Access
Tuning menu	
Programme edit	Access
Auto setup Manual tuning	
Fine tuning	Auto
Colour system Volume correc.	
Decoder (AV2)	Off
Programme edit	Lock Sys
Prog. Chan. Name	Lock Sys
Prog. Chan. Name	Off SC1
Prog. Chan. Name 1 : CH44 ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123	Off SC1 Off SC1 Off SC1
Prog. Chan. Name 1 : CH44 ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123 5 : CH37 456	Off SC1 Off SC1 Off SC1 Off SC1 Off SC1 Off SC1
Prog. Chan. Name 1 : CH44 ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123 5 : CH37 456 Delete Add Image: Add market and the second	Off SC1 Off SC1 Off SC1
Prog. Chan. Name 1 : CH44 ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123 5 : CH37 456 Delete Add Tuning menu	Off SC1 Off SC1 Off SC1 Off SC1 Off SC1 Off SC1
Prog. Chan. Name 1 : CH4A ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123 5 : CH37 456 Delete Add Image: Add for the setup Image: Add for the setup	Off SC1 Off SC1 Off SC1 Off SC1 Off SC1 Off SC1
Prog. Chan. Name 1 : CH41 ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123 5 : CH47 123 5 : CH37 456 Delete Add Programme edit Auto setup Manual tuning Fine tuning Fine tuning Fine tuning	Off SC1 Off SC1 Off SC1 Off SC1 Off SC1 Off SC1 Move Download
Prog. Chan. Name 1 : CH44 ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123 5 : CH37 456 Delete Add Tuning menu Programme edit Auto setup Manual tuning Fine tuning Fine tuning Fine tuning system Colour system	Off SC1 Off SC1 Off SC1 Off SC1 Off SC1 Move Download
Prog. Chan. Name 1 : CH4A ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123 5 : CH47 123 5 : CH37 456 Delete Add Programme edit Auto setup Manual tuning Fine tuning Fine tuning Fine tuning	Off SC1 Off SC1 Off SC1 Off SC1 Off SC1 Off SC1 Move Download
Prog. Chan. Name 1 : CH41 ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123 5 : CH47 123 5 : CH47 123 5 : CH47 123 7 456 Add Programme edit Auto setup Manual tuning Fine tuning Colour system Volume correc. Volume correc.	Off SC1 Off SC1 Off SC1 Off SC1 Off SC1 Off SC1 Move Download Access
Prog. Chan. Name 1 : CH4A ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123 5 : CH37 456 Delete Add Tuning menu Programme edit Auto setup Manual tuning Fine tuning Colour system Volume correc. Decoder (AV2) Tuning menu Programme edit	Off SC1 Off SC1 Off SC1 Off SC1 Off SC1 Off SC1 Move Download Access
Prog. Chan. Name 1 : CH4A ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123 5 : CH37 456 Delete Add Tuning menu Programme edit Auto setup Manual tuning Fine tuning Colour system Volume correc. Decoder (AV2) Tuning menu Programme edit Auto setup Manual tuning	Access
Prog. Chan. Name 1 : CH41. ABC 2 : CH51. XYZ 3 : CH41. FTP 4 : CH47. 123. 5 : CH47. 123. 5 : CH47. 123. 7 uto setup Add Programme edit Add Yolume correc. Decoder (AV2) Tuning menu Programme edit Programme edit Auto setup Manual tuning Fine tuning Fine tuning Edit Manual tuning Fine tuning	Access
Prog. Chan. Name 1 : CH41. ABC 2 : CH51. XYZ 3 : CH41. FTP 4 : CH47. 123. 5 : CH47. 123. 5 : CH47. 123. 7 uto setup Add Programme edit Auto setup Manual tuning Colour system Volume correc. Decoder (AV2) Programme edit Auto setup Manual tuning Fine tuning Fine tuning Colour system Volume correc. Decoder (AV2)	Access
Prog. Chan. Name 1 : CH44 ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123 5 : CH37 456 Delete Add Tuning menu Programme edit Auto setup Manual tuning Fine tuning Colour system Volume correc. Decoder (AV2) Tuning menu Programme edit Auto setup Manual tuning Fine tuning Fine tuning Colour system Volume correc. Decoder (AV2)	Access
Prog. Chan. Name 1 : CH41 ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123 5 : CH47 123 5 : CH47 123 7 456 Delete Add Tuning menu Programme edit Auto setup Manual tuning Colour system Volume correc. Decoder (AV2) Tuning menu Programme edit Auto setup Manual tuning Fine tuning Colour system Volume correc. Decoder (AV2) Tuning menu Colour system Volume correc. Decoder (AV2)	Access
Prog. Chan. Name 1 : CH44 ABC 2 : CH51 XYZ 3 : CH41 FTP 4 : CH47 123 5 : CH37 456 Delete Add Tuning menu Programme edit Auto setup Manual tuning Fine tuning Colour system Volume correc. Decoder (AV2) Tuning menu Programme edit Auto setup Manual tuning Fine tuning Fine tuning Colour system Volume correc. Decoder (AV2)	Access

Auto

Off

Fine tuning Colour system Volume correc. Decoder (AV2)

Tuning menu – Programme edit

MENU Press the MENU button. $\bigcirc (\circ) (\dot{\circ}))$ Move to choose Setup menu. Access Setup menu. + Move to choose Tuning menu. L ഭ 123 4 5 6 Access Tuning menu. 89 0 ----Move to choose Programme edit. . തമാരാ Access Programme edit. Panasonio Move to choose programme position (e.g., Prog. 3). Make required change, e.g., moving a programme channel (see the relevant procedure below). EXIT Press the **EXIT** button at any time to go back to watching TV. Pressing the **OK** button after having adjusted some features OK stores the change made. Adding / deleting a programme channel Make sure the cursor is in the Prog. column. Programme edit Lock Sys Nam SC1 ABC Off Off Press the Green button to add a programme channel to the programme position, or the **Red** button to delete one. Add Cancel Press the same button again to confirm your decision. Moving a programme channel Make sure the cursor is in the **Prog.** column. Programme edit Prog. Nam Lock Sys Chan

Press the Yellow button.

Choose the new position for the programme channel.

Press the Yellow button again to confirm your decision.

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 7.

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

С

OK

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

Off Off

Off Off SC1

Confirm Cancel

ABC

FTP

456

CH4 CH4

CH37

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.

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.

Note:

When a programme position is locked, Direct Channel Access using the ${\bf C}$ 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: PALI
- SC3: PAL D, K / SECAM D, K
- F: SECAM L / L'

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

Copying programme information to a recording device

You can copy programme information to a compatible recording device connected to AV2 / AV4. See page 32 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.

Note:

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

Programme edit					
Pro	<u>g.</u>	Chan.	Name	Lock	Sys
1	:	CH44	ABC	Off	SC1
2	-	CH51 CH41	XYZ FTP	Off	SC1 SC1
4	÷	CH47	123	Off	SC1
5		CH37	456	Öff	ŠČ1

Programme edit						
Pro	g.	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	

DOWNLOAD IN PROGRESS PLEASE WAIT Programme : 63 Remote control unavailable



OK

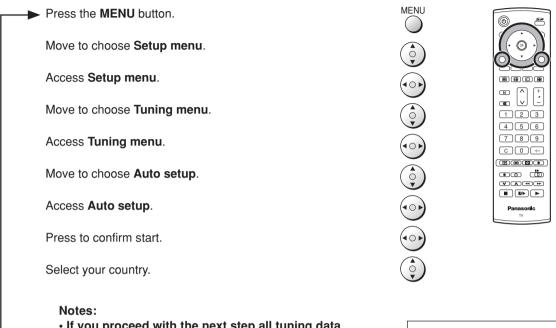
Pro	g.	Chan.	Name	Lock	Sys
1	:	CH44		Off	SC
2 3	:	CH51	XYZ	Off	SC
з	:	CH41	FTP	Off	SC
4	:	CH47	123	Off	SC.
5	:	CH37	456	Off	SC.

Blue

OK

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.



- 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.



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 / AV4 terminal, programme data will be sent to the device via Q-Link. See page 17.

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).



CH12			
	AUTO SE SEARCHI	 	 т
)2	78:01	41

EXIT

Tuning menu – Manual tuning

It is possible to retune individual programme positions:

Press the MENU button.	MENU	
Move to choose Setup menu.		
Access Setup menu.		
Move to choose Tuning menu.	(123 456 789
Access Tuning menu.		
Move to choose Manual tuning.		eg Ö Vacio IV>
Access Manual tuning.	$\bullet \bullet \bullet$	Panasonic TV
Select the programme position to be tuned.		
Press repeatedly until required station is found.		1 CH12
When the desired station is found, press the OK button to store. The programme position will flash.	OK	Search down/up Return - Programme down/up
Press the EXIT button at any time to go back to watching TV.	EXIT	Manual tuning 02 78:01 41

0

Note:

When using a VCR without video and audio input / output terminals, it is convenient to connect the antenna cable as indicated in the instruction book of VCR and to set the designated channel to programme No."0". In that case, perform Manual tuning after setting the Colour system in advance. Further, in multi-system VCR, it is more convenient to set the designated channel to several programme numbers.

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.	F	
Press the –/V or +/ Λ button to access Tuning mode .	-/y +/A	
Press the TV/AV button to move between Change programme, Search and Change TV system .	TV/AV	
Press the $-/V$ or $+/\Lambda$ button to change programme position or start search.	/ ∨ ↓/∧	STR F -/V +/A TV/AV
When the desired station is found, press the STR button to store. The programme position will flash.	STR	1 CH12
		SC1
Repeat above procedure to tune additional programme positions.		Manual tuning ,+ : Search TV/AV : Move cursor STR : To store F : To exit
Press the F button at any time to go back to watching TV.	F	02 78:01 41

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 / AV4 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 5, 6.
- 2. When Auto setup is started from within the Tuning menu. See page 12.
- 3. Preset download started from the recording device, refer to the device's instruction book.

Important Note:

Not all recording devices support this type of data communication system. Some may support certain features, but not others. Refer to the recording device's instruction book.

If Q-Link is inoperative, first confirm that your Scart cable is a "fully wired" type. Ask your dealer for further details.

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 11.

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 11.

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.

Some other devices may support this feature. Refer to the device's instruction book.

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:

These recording devices may support some or all of the above functions.

Not all recording devices support this type of data communication system. Somemay support certain features, but not others. Refer to the device's instruction book. Some features are only available from the device connected to the Scart terminal selected using "Q-Link". See page 11.

If Q-Link is inoperative, first confirm that your Scart cable is a "fully wired" type. Ask your dealer for further details.



Aspect Controls

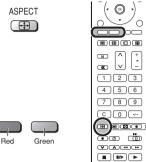
The Widescreen TV will allow you to enjoy viewing the picture at its optimum size and aspect, including widescreen cinema format pictures.

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:

"WIDE" appears in the top left of the screen if a widescreen identification signal (WSS) is found or a signal found through a Scart terminal.

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" 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.

14:9

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

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.

4:3

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





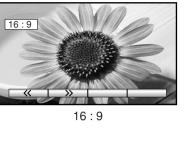


Just





14:9





Aspect Controls

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.

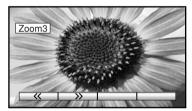


Zoom2

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 sligth stretching.



Zoom3

Press the **MULTI WINDOW** button. Whilst the on screen selector keys are displayed, use the **Red** or **Green** buttons to move between the **picture in picture** feature, **picture out of picture** and **picture and picture** feature.

The on screen selector keys that appear for the features clear after a few seconds. If you want to select an operation when the keys are not shown, press the **MULTI WINDOW** button again and the keys will reappear.

Press the **MULTI WINDOW** button (whilst the selector keys are displayed) to return to normal viewing.

Note:

This TV has one tuner. When the main and sub windows are both TV mode, these are the same TV channel.

Picture in picture

Allows two pictures to be viewed at the same time.

Press the **Yellow** button to select the contents of the smaller window, switching between displaying a TV channel and all AV sources in turn. To change the TV channel: press the **Yellow** button until the currently selected TV channel is shown, then use the remote control to change channel (whilst the on screen selector keys are still displayed). Press the **Blue** button to swap the contents of the two windows.

Use the remote control to select a TV channel or an AV source to appear in the main window.

Picture out of picture

Allows two pictures to be viewed at the same time, as picture in picture does. The difference is how the two pictures are displayed: in picture in picture the smaller window appears within the main picture; in picture out of picture the smaller window appears to the right of the main picture. Press the **Yellow** button to select the contents of the smaller window, switching between displaying a TV channel and all AV sources in turn. To change the TV channel: press the **Yellow** button until the currently selected TV channel is shown, then use the remote control to change channel (whilst the on screen selector keys are still displayed). Press the **Blue** button to swap the contents of the two windows. Use the remote control to select a TV channel or an AV source to appear in the main window.

Picture and picture

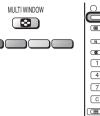
Allows two pictures to be viewed at the same time.

Press the **Yellow** button to select the contents of the right window, switching between displaying a TV channel and all AV sources in turn. To change the TV channel: press the **Yellow** button until the currently selected TV channel is shown, then use the remote control to change channel (whilst the on screen selector keys are still displayed).

Press the **Blue** button to swap the contents of the two windows. Use the remote control to select a TV channel or an AV source to appear in the left window.

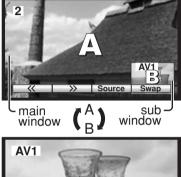
Note:

When the main window is 50 Hz input signal picture (e.g., PAL, SECAM) and the sub window is 60 Hz input signal picture (e.g., PAL 60, NTSC), the sub window cannot be displayed.





Picture in picture mode





The two pictures have been swapped, the picture in the smaller window has become the main window picture.

Picture out of picture mode



Picture and picture mode



Channel search

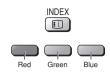
Press the **INDEX** button to show freeze-frames of the programmes being broadcast on all of the stored channels. These images are displayed in series, starting from the top left.

The feature cycles through the stored channels until the **INDEX** button is pressed to exit the feature.

Press the **Red** button to select each channel's freeze-frame in turn.

Press the **Green** button to watch the selected channel, exiting the feature.

Press the **Blue** button to watch the current programme, exiting the feature.



Channel search





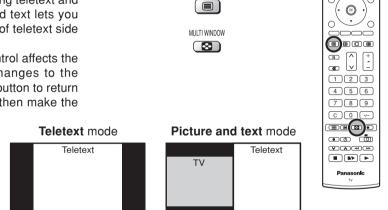
6

ھک

Picture and text

Press the **TV/TEXT** button, followed by the **MULTI WINDOW** button to move between viewing teletext and the picture and text feature. Picture and text 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 **TV/TEXT** button to return to watching the programme on its own then make the desired changes.



TV/TEXT

Still image data (JPEG) made with a digital camera or digital video camera can be played back using an SD Card / PC Card.

Displayable Image Formats: Baseline JPEG $64 \times 64 - 8192 \times 8192$ pixels (sub-sampling 4:2:2 or 4:2:0) **Displayable number of folders:** Max 100

Notes:

- Some parts of an image may not be displayed or the image may be displayed on a smaller scale depending on the size of the image.
- Only EXIF standard JPEG images can be displayed on this TV.
- Photo view cannot support over 3000 JPEG files.
- Cards must be formatted with FAT12 or FAT16 in order to be viewed on this TV.
- Photo view is not compatible with card type hard disk (Micro Drive, Mobile type hard disk).
- Some PC Cards may not be usable.

Card Data Protection

- Do not remove the card whilst it is being accessed.
- Do not touch the terminals on the back of the SD Card / PC Card.
- Electrical interference, electrostatic discharges and malfunctions of the TV set or card may all result in damage to the card or data loss. It is recommended that any important data also be backed up on a PC.
- Stored data should be periodically backed up as a protection against data corruption, data loss or device malfunction. Please note that our company shall not accept any liability for damage or loss of stored data.
- Before inserting or removing the PC Card, make sure that the TV is turned off. Otherwise, it may damage the unit. Do not insert anything other than the PC Card.

Cautions:

- Always insert card in the correct direction. Failure to do so may result in damage to the card and this set.
- The SD Card and PC Card are precision devices. Do not subject them to excessive pressure or strong impacts.

Warning:

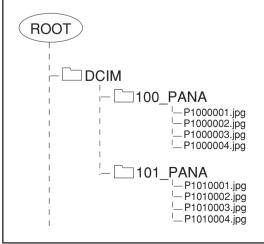
As with any small object, SD Cards can be swallowed by young children. Do not allow children to handle the SD Card. Please remove the SD Card immediately after use.

Folders and Files

Digital cameras that are compliant with DCF specifications use folders with a specific structure. The following diagram shows an example of the folder structure.

Example:

If the Card file hierarchy is displayed on the PC as shown below.



DCIM Folder

The digital camera creates this folder automatically.

100_PANA Folder

Folder names consist of a 3-digit folder number which is followed by five arbitrary characters. Digital camera images are stored within these folders.

JPEG files in the 100_PANA folder are displayed when a Card, which is structured as shown left, is inserted.

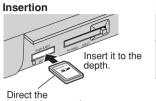
Notes:

- The folder name may vary according to the digital camera being used.
- When a directory or file is created, only the characters "A-Z", "a-z", "0-9" and "_" are used. Two-byte characters or other special codes shall not be used.

P1000001.JPG: DCF File

File names consist of four arbitrary characters followed by a 4-digit file number. DCF files are image files (normally JPEG files) that have been taken by a digital camera.

SD Card

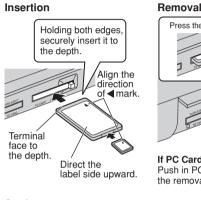


Removal Push the center of the card

label side upward.

PC Card

Before inserting or removing the PC Card, make sure that the TV is turned off. Otherwise, it may damage the unit. Do not insert anything other than the PC Card.





If PC Card cannot be removed Push in PC Card again, and press the removal button.

Caution

If PC Card adapter is used, remove it together with the adapter.

Press the SD button.

The screen below is displayed automatically when a card is inserted. If "Card is not inserted correctly" appears, confirm that a card is correctly inserted.



Press the SD button again to exit Photo View mode.

Card contents have priority and will be displayed. • If the Card is incompatible, "This type of card is not supported" is displayed on screen. Remove the Card only when Access indication is not displayed. • If the file is not formatted with FAT12 or FAT16, "This type of format is not supported" is displayed. • If the JPEG file is corrupted and cannot be decoded, "This type of image is not supported" is displayed.

Notes:

Compatible Card

Multi Media Card

miniSD Card requires miniSD[™] adapter.

via the PC Card in the PC Card adapter.

insert into the PC Card Slot.

• The media* listed in the right column above can be read

Hard disk PC Cards and other recorded media cannot

· Place the selected media onto the PC Card and then

When both SD Card and PC Card are inserted, the SD

SD Card slot

miniSD Card

SD Card

he used

 Insert / remove Card while Card Menu Screen or "Card is not inserted correctly" is displayed.

PC Card slot

Smart Media*

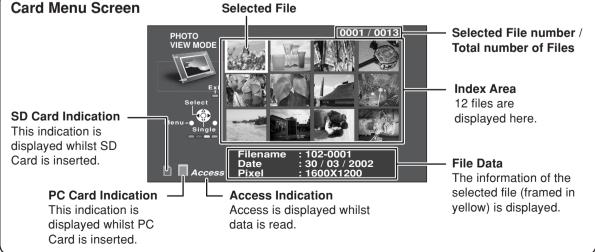
Memory Stick*

xD Picture Card*

Flash ATA Card*

Compact Flash*

- Be sure Access indication is not displayed before Card insertion / removal.
- · Before reinserting a Card after removing it, wait until "Card is not inserted correctly" is displayed. If there are Cards in both Card Slots, wait until the Card Menu Screen of the other Slot is displayed and Access indication is no longer displayed before reinserting a Card.
- If the JPEG is modified using a PC, it will not be displayed on the TV.
- It may take long time to display the thumbnail if there are lots of files or if the file size is big.



Picture menu

During Photo View mode

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 exit Picture menu.

Backlight, Contrast, Brightness, Colour, Sharpness

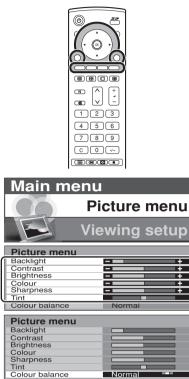
Increase or decrease the levels of these options according to your personal preference.

MENU

EXIT

Tint 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**.



Viewing setup

During Photo View mode

Press the MENU button.

Move to choose Viewing setup.

Access Viewing setup.

Move to choose menu option.

Adjust chosen option or access chosen menu.

Press the **EXIT** button at any time to exit Viewing setup.

Slide show	Provides access to Slide Show mode. See page 26.
Interval	When the Slide Show, allows you to select the display intervals between 5 to 90 seconds.
Sequence	When the Slide Show, allows you to select the Order or Random .
Repeat	When Repeat is On , the Slide Show repeats automatically.
Card	Select either SD or PC when both cards are inserted in the slots.

 Main menu

 Picture menu

 Viewing setup

 Slide show
 Accass

 Interval
 5Sec

 Sequence
 Order

 Repeat
 Off

 Slide show
 Side show

 Interval
 5Sec

 Sequence
 Order

 Repeat
 Off

 Sequence
 Order

 Repeat
 Off

 Card
 PC

When you press the SD button, thumbnail screen is displayed automatically. After that you can choose your desirable view mode between the following three modes.

Multi mode

12 images are displayed.

Press to select desired image.

Press the **OK** button to display Single mode.



Greer

Blue

Yellow

•0

OK



102-0001

0001 / 0013

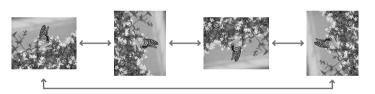
Single mode

A single image selected from the index area fills the screen. You can also rotate or magnify the image.

Press to select the next or previous image.

Press the **OK** button to display Multi mode.

Press the Red or Green button to rotate the image. Each press rotates images 90 °.



Press the **Yellow** button to magnify the image. To restore press the **Blue** button.



Images are displayed one after another as a slide show.

To start Slide Show access Viewing setup. After setting Interval, Sequence and Repeat, access Slide show. When both SD Card and PC Card are inserted, move to choose

Card and select SD or PC before accessing Slide show.

Press the **OK** button at any time to return to the Single mode.

Note:

See page 25.

When you are in the Slide Show mode, you can change the Aspect of the image on screen by pressing the ASPECT button on the remote control.

Viewing setup	
Slide show	
Interval	5Sec
Sequence	Order
Repeat	Off
Card	PC ==
Viewing setup	
Slide show	Access

Viewing setup
Slide show
Interval
Sequence
Beneat

Access
5Sec
Order
Off
PC



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.

TV/AV OK EXIT V/TEXT F.P. INDEX HOLD E
N ^ + ▲ ✓ - 1 2 3 4 5 6
789 VCR C0-/ ASPECT MULTIWINDOW DIRECTTVREC ED CO REC VCR DVD PROGRAMME CO PROGRAMME
Panasonic TV

٥	Standby Press to switch the VCR, DVD or DVD recorder to Standby mode. Press again to switch back on.		
VCR DVD	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). DVD: Press once to skip to the next track. 		
•	 Skip / Rewind / Review VCR: Press to rewind the tape. In Play mode, press to view the picture rapidly in reverse (Review). DVD: Press once to skip to the previous track. 		
I / Þ	Pause / Still Press in Play mode, the picture will pause. Press again to restart play.		
PROGRAMME	Programme Up / Down Press to increase or decrease the programme position by one.		
REC	Record Press this button to start recording.		

Teletext operation

- Teletext features may vary depending on the Broadcasting Companies and is only available if the channel selected is transmitting Teletext.
- Pressing the **MENU** button whilst in Teletext operation will display the backlight function with a white bar and the contrast function with a cyan bar, press (•••) 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 [‡] to alter the setting as required.

What is List mode ?

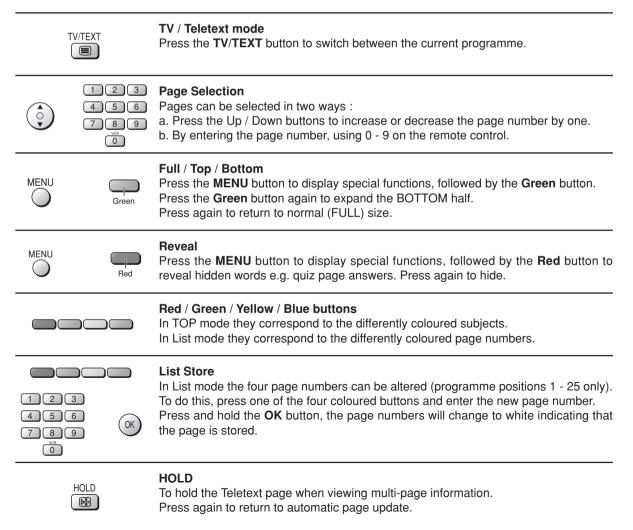
In List mode, four differently coloured page numbers are situated at the bottom of the screen. Each of these numbers can be altered and stored in the TV's memory.

What is TOP mode?

In TOP 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.

Note:

If Teletext is in use, the aspect ratio is set to 16:9.



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 TV/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 **TV/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 TV/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.

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.





Yellov

Teletext operation

Blue



INDEX

i

• 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.

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

INDEX

When in TOP 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.

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 front and 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 terminalGreen button: AV2 Scart terminalYellow button: AV3 Audio, Video, S-Video terminalsBlue button: AV4 Scart, 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.

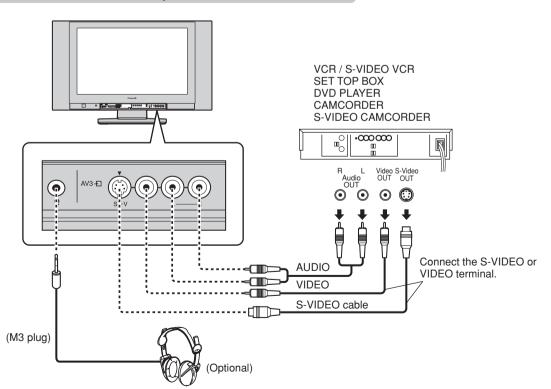
Notes:

• 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).

How to connect the Headphones / AV3 terminals



Notes:

• The volume level of the headphones can be adjusted by selecting "Headphone volume" from the Sound menu.

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

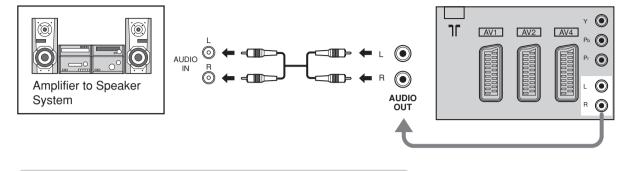


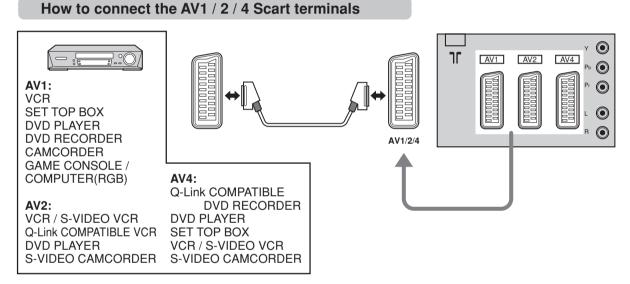
TV/AV

TV/AV

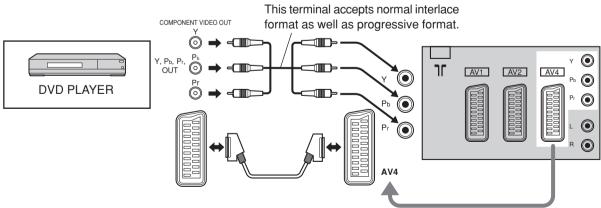
Audio / video connections

How to connect the Audio Output 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 34.
- When a Monaural VCR is used, connect the Monaural Audio cable to the Audio "L"(Left) terminal.

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		Chaska	
Picture	Sound	Checks	
Sharen Disture	Naisy Sound	Aerial location, direction or connection	
Snowy Picture	Noisy Sound		
		Aerial location, direction or connection	
Multiple Images	Normal Sound		
	وم الم	Electrical appliances Cars / Motorcycles Fluorescent lights	
Interference	Noisy Sound	Switch on P-NR in Picture menu to reduce picture noise.	
		Volume level	
Normal Picture	No Sound	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.	
There may be red spots, blue spots and green spots on the screen.	Normal Sound	This is a characteristic of liquid crystal panels and is not a problem. The liquid crystal panel is built with very high precision technology giving you fine picture details. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green, or red. Please note this does not affect the performance of your LCD.	

Maintenance

To clean this set, wipe with a soft, dry cloth.

If the surfaces are extremely dirty, use a soft cloth dipped in soap-and-water solution or a weak detergent solution.

- Use eyeglass cleaner to remove stubborn dirt from the LCD.
- Never use alcohol, paint thinner or benzine to clean this set.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.
- Do not wipe the LCD with water.

Wipe the cabinet with a soft cloth.

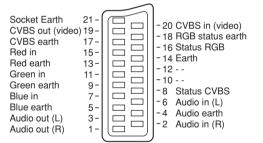
If the cabinet is heavily soiled, wipe with a well-wrung soft cloth dipped in kitchen cleanser (neutral) diluted with water.

CAUTION:

If water or similar substances get inside the monitor via the liquid crystal panel surface, a malfunction may result.

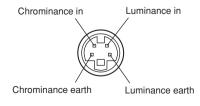
Scart and S-video terminal information

AV1 Scart terminal (RGB, VIDEO)

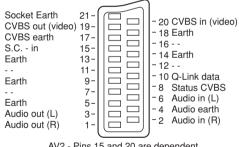


Suitable inputs for AV1 include RGB (Red / Green / Blue).

AV3 S-VIDEO 4 pin terminal



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



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

AV4 Scart terminal (RGB, VIDEO, S-VIDEO, Q-Link)

Socket Earth CVBS out (video) CVBS earth Red in Red earth Green in Green earth Blue in Blue earth Audio out (L) Audio out (R)	21 - 19- 17- 15- 13- 11- 9- 7- 5- 3- 1-		 20 CVBS in (video) 18 Earth 16 Status RGB 14 Earth 12 10 Q-Link data 8 Status CVBS 6 Audio in (L) 4 Audio earth 2 Audio in (R)
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AV4 - Pins 15 and 20 are dependent on AV4 S-VHS / VIDEO switching.



Specifications

			TX-26LX1F, TX-26LX1P	TX-32LX1F, TX-32LX1P	
Po	ower Sou	rce	AC 220 - 240 V, 50 / 60 Hz	•	
Power Consumption			Average use : 137 W	Average use : 168 W	
		sumption	Standby condition : 1.8 W	Standby condition : 1.8 W	
		-	Power Off: 1.5 W	Power Off : 1.5 W	
	חר		Wide XGA (1,280 × 768 pixels)		
LCD			15 : 9 aspect ratio LCD panel		
So	creen Size	9	566.4 mm (W) × 339.8 mm (H)	687.4 mm (W) × 412.4 mm (H)	
Sound					
	Speaker	r	ϕ 8 cm \times 2 pcs, ϕ 4 cm \times 2 pcs, 8 Ω		
	Audio O	output	20 W (10 W + 10 W)		
	Headph	ones	M3 (3.5 mm) Jack × 1		
			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)	
Re	eceiving S	Systems /	PAL D, K, SECAM D, K		
Ba	and name)	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 Videorecorders (VCR)		
			NTSC (AV input only) Playback from NTSC Videorecorders (VCR)		
Ae	erial - Rea	ar	UHF / VHF		
0	noroting (Conditions	Temperature : 5 °C - 35 °C		
U	perating (Conditions	Humidity : 5 % - 90 % RH (non-condensing)		
С	onnection	Terminals			
	AV1 (Sc	art connecter)	21 Pin terminal (Audio/Video in, Audic	/Video out, RGB in)	
	AV2 (Sc	art connecter)	21 Pin terminal (Audio/Video in, Audio/Video out, S-Video in, Q-Link)		
	AV3	VIDEO	RCA PIN Type × 1		
		S-VIDEO	Mini DIN 4-pin		
		AUDIO L - R	RCA PIN Type \times 2		
	AV4	Scart connecter	r 21 Pin terminal (Audio/Video in, Audio/Video out, RGB in, S-Video in, Q-Link) Y, P _b , P _r		
		Component			
			RCA PIN Type × 2		
Dimensions ($W \times H \times D$)		· /			
		g TV Stand	844 mm \times 571.8 mm \times 321 mm	1,000 mm × 651.7 mm × 321 mm	
	TV Set C		844 mm $ imes$ 478 mm $ imes$ 137 mm	1,000 mm × 558 mm × 137 mm	
Mass (Weight) 22.5 kg Net 27 kg Net			22.5 kg Net	27 kg Net	

Note:

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



Customer' 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.

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