Panasonic

Operating Instructions LCD Television

Model No. **TX-26LMD70 TX-32LMD70**

VIECA

















U.K. Standard

English

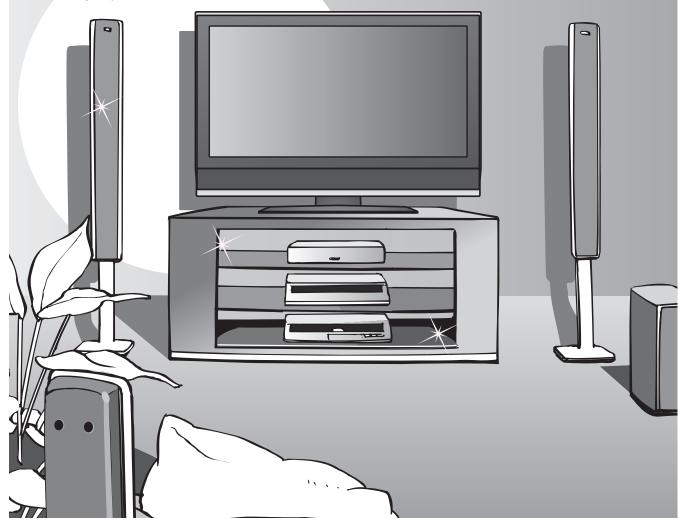
Please read these instructions before operating your set and retain them for future reference.

The images shown in this manual are for illustrative purposes only.



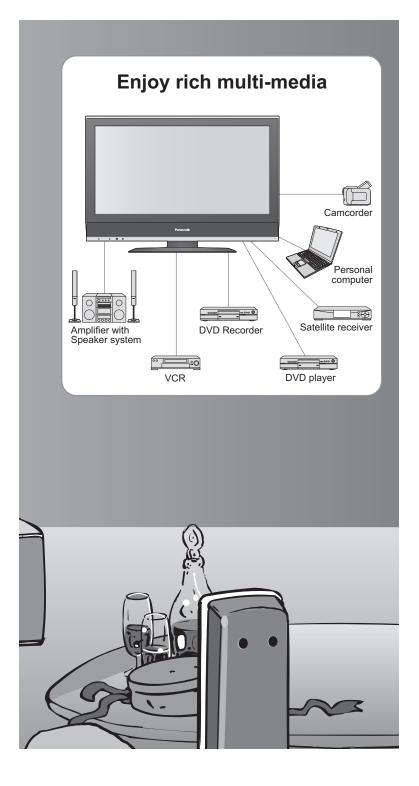
Turn your living room into a home theatre! Experience an amazing level of multi-media excitement

- Receive digital terrestrial broadcastings using an integrated (Digital Video Broadcasting) tuner (Display DVB programmes with TV Guide (p. 14) / Timer recording (p. 36) / Register and instantly call up favourite programmes with Profile Edit (p. 29))
- Sharp pictures with HDMI terminal
- Control DVD recorder / VCR via TV with Q-Link connection (p. 38)
- Create home theatre and Panasonic equipment link-ups with "VIERA Link" without complicated settings! (p. 40)
- Support Audio Description signal (p. 13 and p. 22) Audio description (AD) is an ancillary component associated with a broadcasting which delivers a verbal description of the visual scene as an aid to understanding and enjoyment particularly, for visually-impaired viewers.





Trade Mark of the DVB Digital Video Broadcasting Project (1991 to 1996) TX-26LMD70 Declaration of Conformity No 4419, 11 December 2006 TX-32LMD70 Declaration of Conformity No 4421, 11 December 2006



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Safety Precautions

Warning & Caution

Handling the mains plug

Ensure that the mains plug is easily accessible at all times. The On / Off switch on this model does not fully disconnect the TV from the mains supply. This TV will still consume some power even in the Standby mode, as long as the mains plug is still connected to a live socket outlet. Remove the mains plug from the wall socket when the TV is not used for a prolonged period of time.

Do not expose to direct sunlight and other sources of heat

 Avoid exposing the TV 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.

Transport only in upright position

 Transporting the TV with its display panel facing upright or downward may cause damage to the internal circuitry.

Power source

This TV is designed to operate on 220-240V, 50 Hz AC.

Do not remove the cover

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



IMPORTANT: THE MOULDED MAINS PLUG

FOR YOUR SAFETY, PLEASE READ THE FOLLOWING TEXT CAREFULLY.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience. A 5 amp fuse is fitted in this mains plug. Shall the fuse need to be replaced, please ensure that the replacement fuse has a rating of 5 amps and that it is approved by ASTA or BSI to BS1362.

If the mains plug contains a removable fuse cover, you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the mains plug must not be used until a replacement cover is obtained.

A replacement fuse cover may be purchased from your local Panasonic Dealer.

If the fitted moulded mains plug is unsuitable for the socket outlet in your home, then the fuse shall be removed and the mains plug cut off and disposed of safety. There is a danger of severe electrical shock if the cut off mains plug is inserted into any 13 amp socket.

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

<u>IMPORTANT:</u> – The wires in this mains lead are coloured in accordance with the following code: – Blue: Neutral Brown: Live

As the colours of the wire in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your mains plug, proceed as follows.

The wire which is coloured BLUE must be connected to the terminal in the mains plug which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal in the mains plug which is marked with the letter L or coloured RED.

Under no circumstances should either of these wires be connected to the Earth terminal of the three pin mains plug, marked with the letter E or the earth symbol \oplus . How to replace the fuse.

For plug type shown in example 1:

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

For plug type shown in example 2:

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



Example 2

Do not expose to rain or excessive moisture

To prevent damage which might result in electric shock or fire, do not expose this TV to rain or excessive moisture.

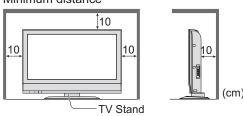
This TV must not be exposed to dripping or splashing water and objects filled with liquid, such as vases, must not be placed on top of or above the TV.

Do not block the rear ventilation openings

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

Allow sufficient space around the TV for radiated heat

Minimum distance



Do not place the TV on sloped or unstable surfaces

The TV may fall off or tip over.

Use only the dedicated stands / mounting equipment

- Using an unauthorized stand or other fixtures may make the TV unstable, risking injury. Be sure to ask your local Panasonic dealer to perform setup.
- Use optional stands / mounts (p. 6).

Notes

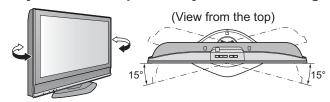
Auto power standby function

• If no signal is received and no operation is performed in TV mode for 30 minutes, the TV will automatically go to standby mode.

■ Keep the TV away from these equipment

- Electronic equipment
 - In particular, do not place video equipment too close the TV (electromagnetic interference may distort images / sound).
- Equipment with an infrared sensor Remote Controller of this TV also emits infrared ravs (this may affect operation of other equipment).

■ Adjust the LCD panel to your desired angle



Do not expose your ears to excessive sound pressure from headphones. Irreversible damage can be caused.

aintenance

First, remove the mains plug from the socket outlet.

Display panel

Regular care: Gently wipe the surface clean of dirt by using a soft cloth.

Major contamination: Wipe the surface clean using a soft cloth dampened with clean water or diluted neutral detergent by 100 times of water. Then, using a soft dry cloth, evenly wipe the surface clean until it is dry.

(Caution)

- The surface of the display panel has been specially treated and may be easily damaged.
- Do not tap or scratch the surface with your fingernail or other hard object.

 Use care not to subject the surface to insect repellent,
- solvent, thinner, or other volatile substances (this may degrade surface quality).

Cabinet

Regular care: Wipe the surface clean using a soft dry cloth. Major contamination: Dampen a soft cloth with clean water or water containing a small amount of neutral detergent. Then, wring the cloth and wipe the surface clean with it. Finally, wipe the surface clean with a dry cloth.

Caution

- Use care not to subject the TV's surfaces to detergent.
 (A liquid inside the TV could lead to product failure.)
 Use care not to subject surfaces to insect repellent, solvent,
- thinner, or other volatile substances
- (this may deteriorate the surface by peeling the paint). Do not allow the cabinet to make contact with a rubber or PVC substance for a long time.

Mains plug

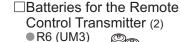
Wipe the mains plug with a dry cloth at regular intervals. (Moisture and dust may lead to fire or electrical shock.)

Accessories / Options

Standard accessories

☐Remote Control Transmitter ● EUR7651110









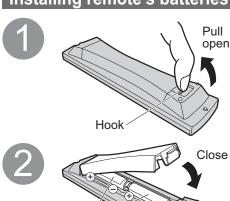


- ☐ Operating Instructions
- ☐ Pan European Guarantee Card
- ☐1 Year Guarantee Registration

Check that you have the accessories and items shown

□ CRM (Customer Relationship Management)

Installing remote's batteries



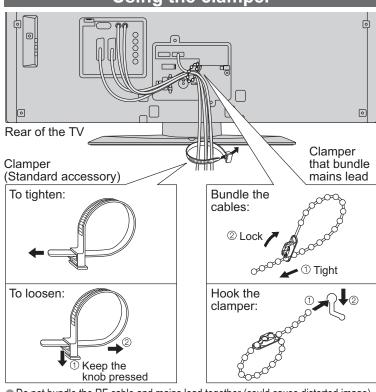
Caution `

- Incorrect installation may cause battery leakage and corrosion, resulting in damage to the remote control.
- Do not mix old and new batteries.

Note the correct polarity (+ or -)

- Do not mix different battery types (such as alkaline and manganese batteries).
- Do not use rechargeable (Ni-Cd) batteries.
- Do not burn or breakup batteries.

Using the clamper



- Do not bundle the RF cable and mains lead together (could cause distorted image).
- Fix cables with clampers as necessary.

 When using the optional accessory, follow the option's assembly manual to fix cables.

Optional accessories

Wall-hanging bracket

●TY-WK32LR2W



Please contact your nearest Panasonic dealer to purchase the recommended wall-hanging bracket. For additional details, please refer to the wall-hanging bracket installation manual.

WARNING!

 Failure to use a Panasonic bracket or choosing to mount the unit yourself will be done at the risk of the consumer. Any damage resulting from not having a professional installer mount your unit will void your warranty.

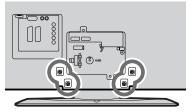
• Always be sure to ask a qualified technician to carry out set-up. Incorrect fitting may cause equipment to fall, resulting in injury and product damage.

Do not mount the unit directly below ceiling lights (such as spotlights, floodlights or halogen lights) which typically give off high heat. Doing so may warp or damage plastic cabinet parts.

 Take care when fi xing wall brackets to the wall. Always ensure that there are no electrical cables or pipes in the wall before hanging bracket.

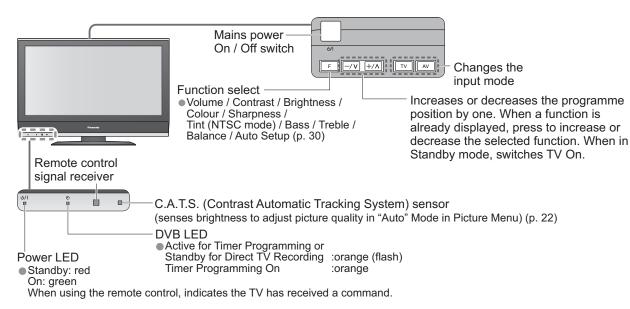
■ How to remove the TV Stand

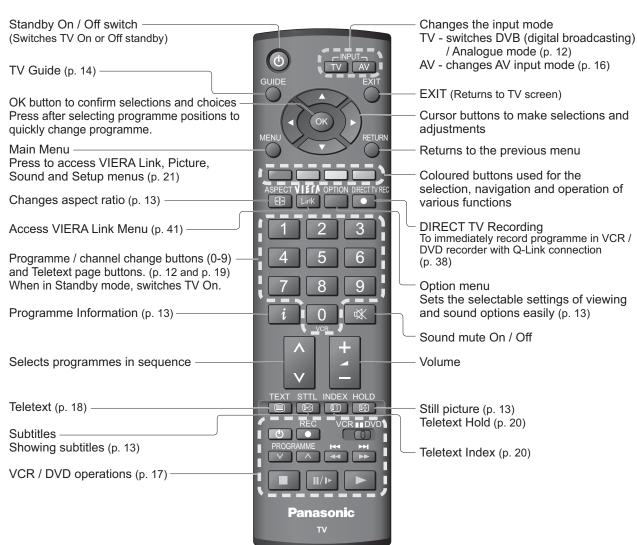
Remove four screws.



Rear of the TV

Identifying Controls





Basic Connection

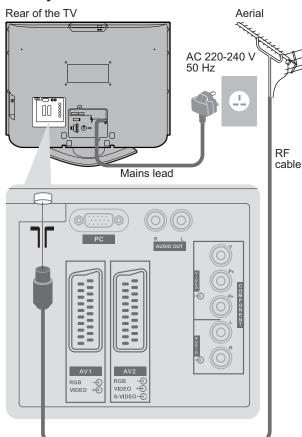
External equipment and cables shown are not supplied with this TV.

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

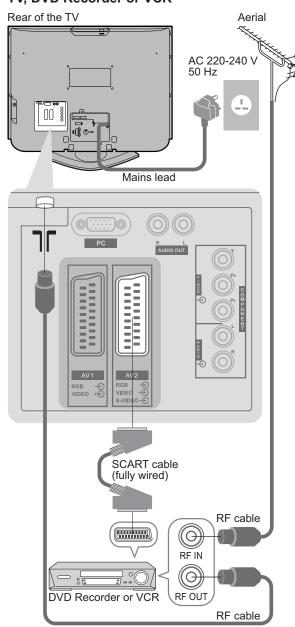
Example 1 Connecting aerial

Example 2 Connecting DVD Recorder / VCR

TV only



TV, DVD Recorder or VCR



Note

- Connect to AV2 for a DVD Recorder / VCR supporting Q-Link (p. 38).
- Connect to AV1 for a Satellite receiver.
- If connecting the TV and Satellite receiver with SCART cable, you can watch satellite broadcast by RGB input signal.
- SCART: 21 pin connection used for video, audio and switching signals (Also known as Euro SCART and Peritel)
- RF: Radio Frequency Signal received from terrestrial aerial.
- RGB / S-Video / Video:

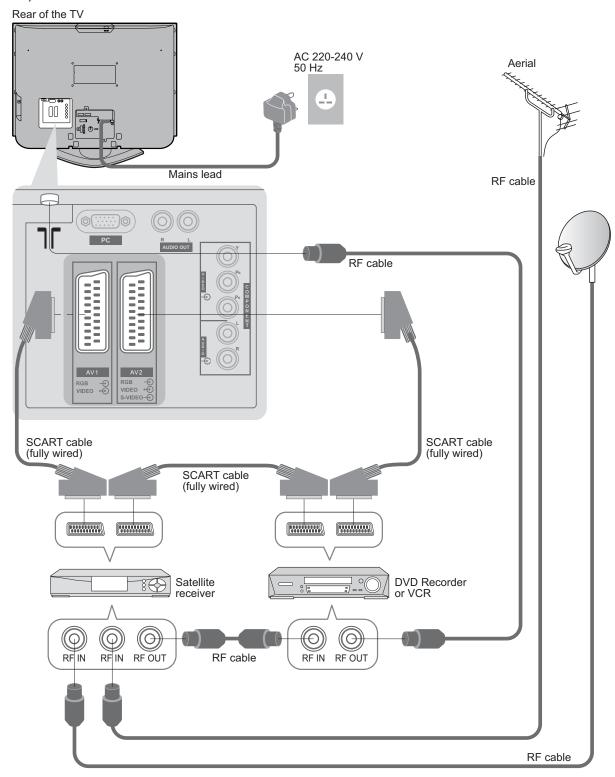
Choose between these three video formats depending on personal preference and equipment requirement.

(RGB - Red, Green and Blue)

VCR: Video Cassette Recorder
 DVD: Digital Versatile Disc

Example 3 Connecting DVD Recorder / VCR and Sattelite receiver

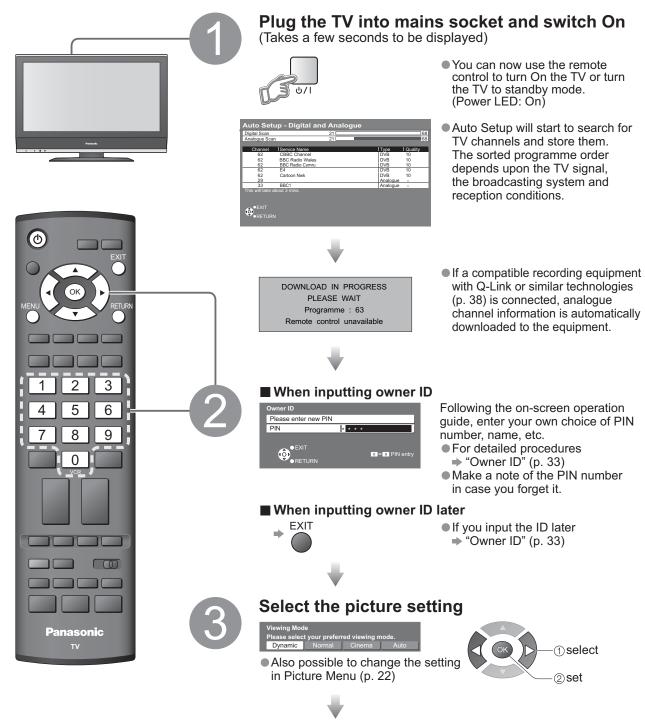
TV, DVD Recorder / VCR and Satellite



Auto Setup

Search and store TV channels automatically.

These steps are not necessary if the setup has been completed by your local dealer.



Auto Setup is now complete and your TV is ready for viewing.

To check programme list

→ Editing Channels (p. 28)

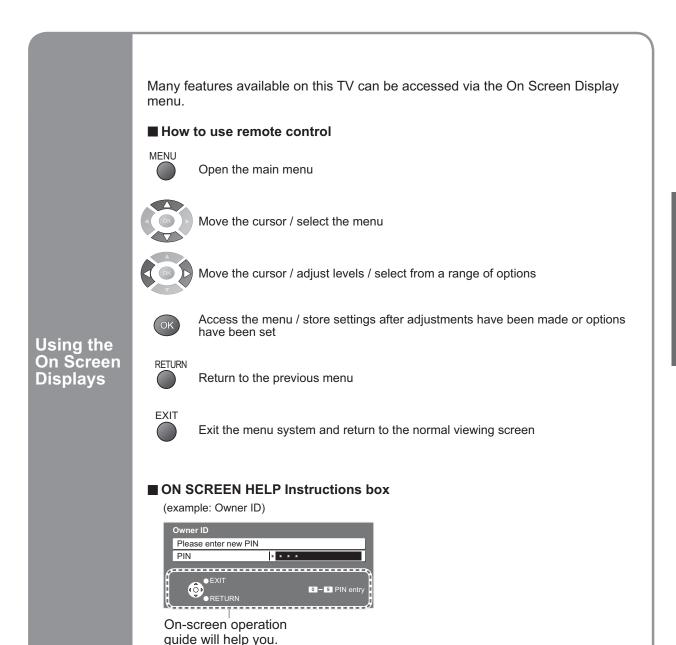
Analogue Programme Edit (p. 31)

at-a-glance

→ TV Guide (p. 14)

• To edit channels

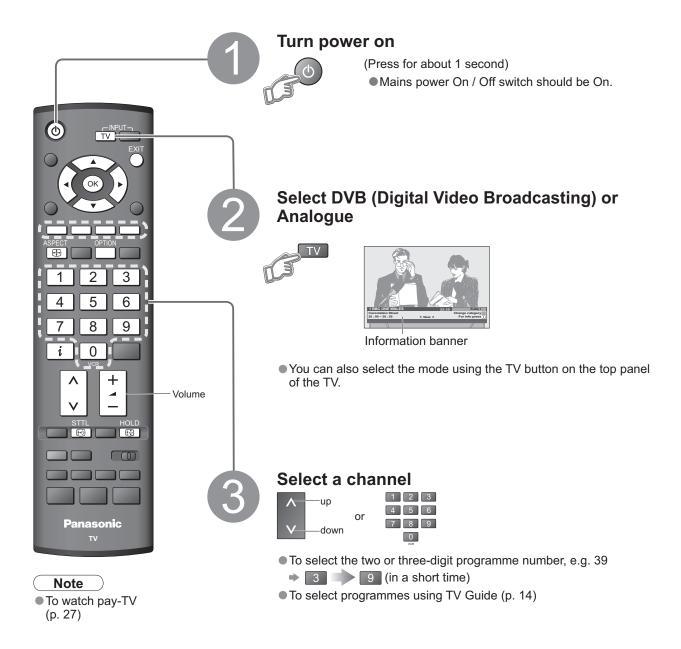
10



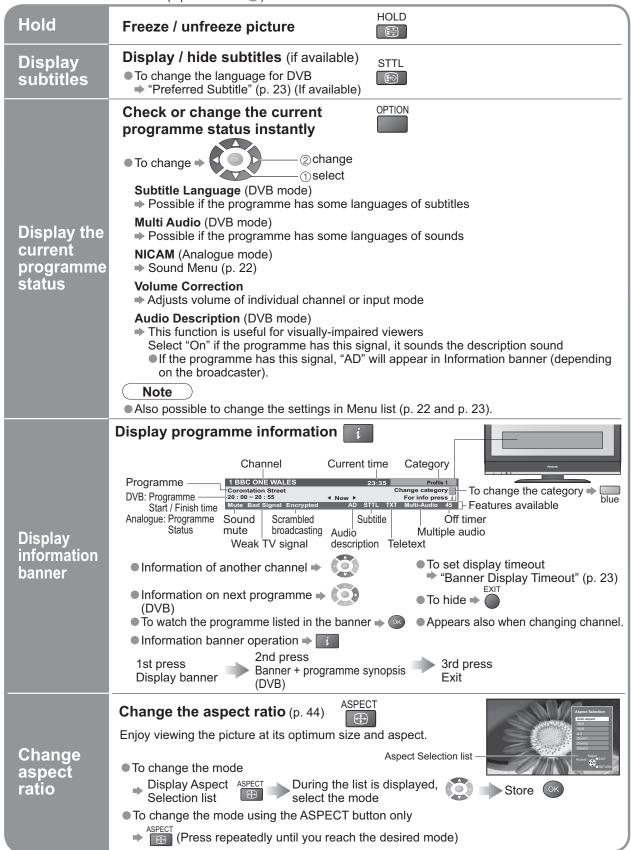
Note

- If tuning have failed ⇒ "Auto Setup" (p. 30).
- If downloading have failed ⇒ "Download" (p. 23).
- If you turned the TV Off during Standby mode last time, the TV will be in Standby mode when you turn the TV On with Mains power On / Off switch.

Watching TV

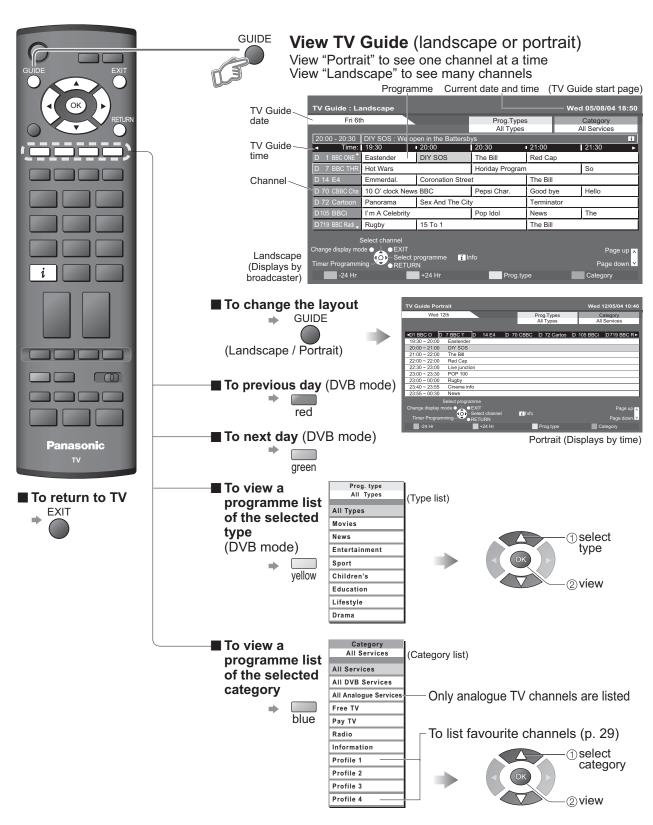


■ Other useful functions (Operate after ③)

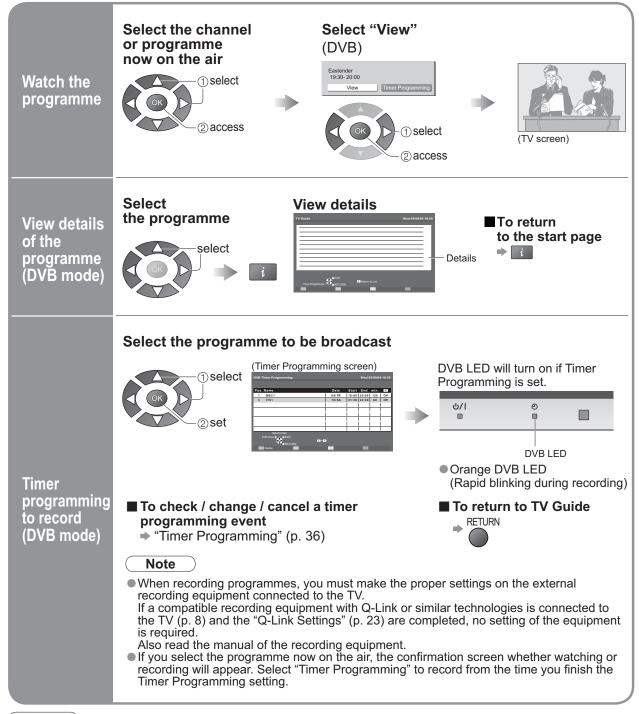


Using TV Guide

TV Guide—Electronic Programme Guide (EPG) provides an on-screen listing of programmes currently broadcast and future broadcasts over the next seven days (depending on the broadcaster). Analogue broadcasts will be listed after DVB broadcasts. "D" means DVB channel and "A" means Analogue channel.



■ Other useful functions (Operate after viewing TV Guide)



Note

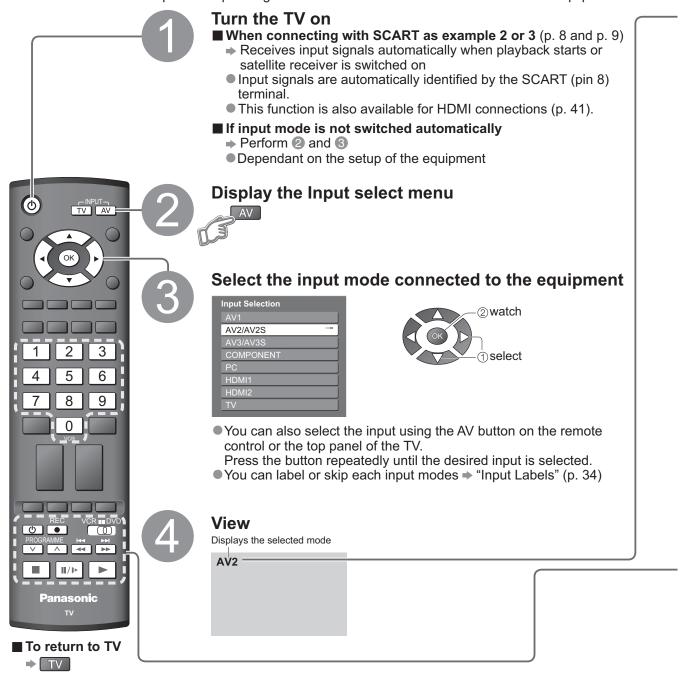
• When this TV is turned on for the first time, or the TV is switched off for more than a week, it may take some time before the TV Guide is completely shown.

Watching VCR, DVD and Satellites

Connect the external equipment (VCRs, DVD equipment, etc.) and you can watch the input. Connect the Satellite receiver and you can watch satellite broadcasts.

To connect the equipment (p. 8 and p. 9)

The Remote Control is capable of operating some functions of selected Panasonic external equipment.



- Note
- If the external equipment has an aspect adjustment function, set to "16:9".
- For details, see the manual of the equipment or ask your local dealer.

Screen display

Terminal	AV1	AV2	Component	PC	HDMI1	HDMI2
Manual input /default setting in "Input Labels"	AV1 AV1-RGB	AV2 AV2-S-Video AV2-RGB	Component	PC	HDMI1	HDMI2
Auto input (EC mode or (VIERA Link)	EC/AV1 EC/AV1-RGB	EC/AV2 EC/AV2-RGB	_	_	EC/HDMI1 ■ Applicable for EC mode and VIERA Link	EC/HDMI2 Applicable for VIERA Link

Panasonic equipment connected to the TV can be directly operated with the remote control.

VCR DVD	VCR / DVD switch* Select VCR to operate Panasonic VCR or DVD equipment Select DVD to operate Panasonic DVD equipment or Player home theatre
U	Standby Set to Standby mode / Turn on
>	Play Playback videocassette / DVD
	Stop Stop the operations
I44 4 4	Rewind / Skip / Search VCR: Rewind, view the picture rapidly in reverse DVD: Skip to the previous track or title Press and hold to search backward
▶ ►	Fast-forward / Skip / Search VCR: Fast-forward, view the picture rapidly forward DVD: Skip to the next track or title Press and hold to search forward
/▶	Pause Pause / Restart DVD: Press and hold to play at slow speed
PROGRAMME	Programme Up / Down Select programme
REC	Record Start recording

*Setting your remote control to operate Panasonic VCR, DVD, etc.

- ① Set the VCR / DVD switch to the appropriate position ⇒ VCR DVD
- 2 Press and hold during the following operations

Enter the appropriate code for the equipment 4 5 6 to be controlled, see table below



"VCR" position

Equipment	Code
VCR	10 (default)
DVD	11

"DVD" position

Equipment	Code
DVD	70 (default)
Player home theatre	71

Note

- Confirm correct operation after the code changed.
- The codes will be reset to default values if batteries are replaced.
 "DVD" means DVD player, DVD recorders and Recorder home theatre.
- Some operations may not be possible on some equipment models.

Viewing Teletext

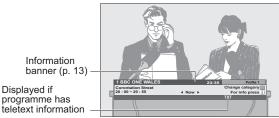
You can enjoy news, weather forecasts and subtitles, etc. (depending on the broadcaster)

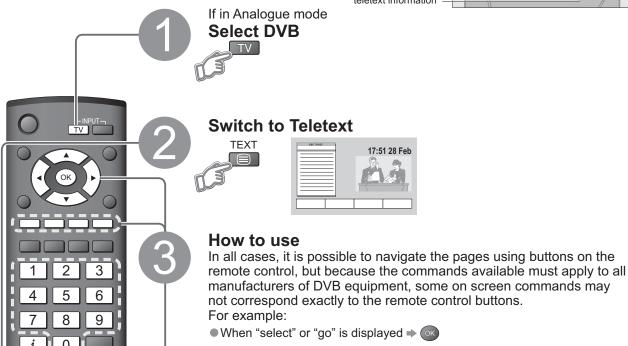
DVB (digital broadcasting) mode

DVB teletext services

DVB teletext services differ greatly from analogue teletext. When you switch to a DVB teletext service, the images you see can contain graphics and text, laid out and controlled in a manner decided by the broadcaster.

You can check if the programme has teletext information.





• When "◄", "▶", "▲", "▼" symbol is displayed ⇒

• When the key words are displayed on colour bar ⇒ mod areas are red green yellow blue

1 2 3 • When options with numbers are displayed → ■ ■ ■

• When "i" is displayed ⇒ [i] (information)

■ To return to TV

■ To change the channel

Panasonic



Note

- As soon as you switch to a DVB channel with links to a teletext service. software is downloaded in the background to enable the teletext function. This means that when switching to a DVB channel, you should wait for approximately 5 seconds before pressing the TEXT button - this will allow the software to download. If you press the TEXT button before download is complete, there will be a short delay before the text screen is displayed.
- While navigating DVB teletext, you will find there is a short delay when moving between pages while the page downloads. There is often a prompt shown somewhere on the page (for example "Loading") to let you know that this is happening.

Analogue mode

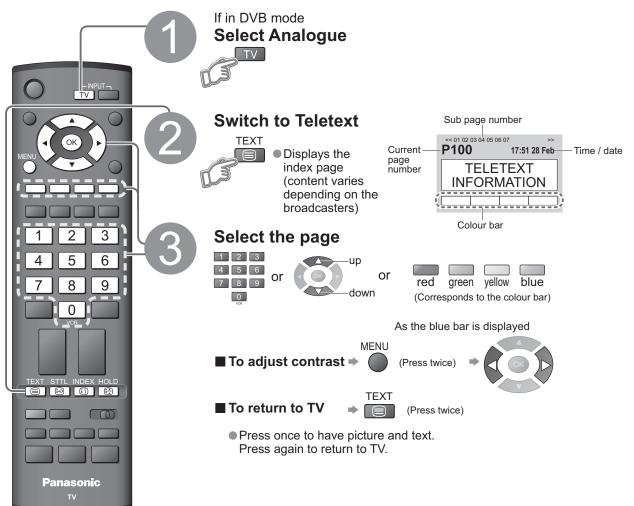
What is FASTEXT mode (default)?

In FASTEXT mode, four differently coloured subjects are situated at the bottom of the screen. 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.

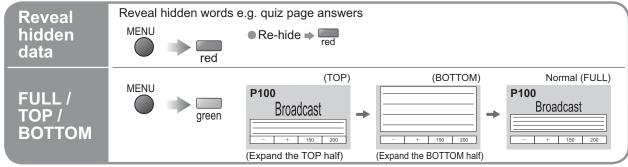
What is List mode?

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. ("Store frequently viewed pages", p. 20)

■ To change mode → "Teletext" in Setup Menu (p. 23)



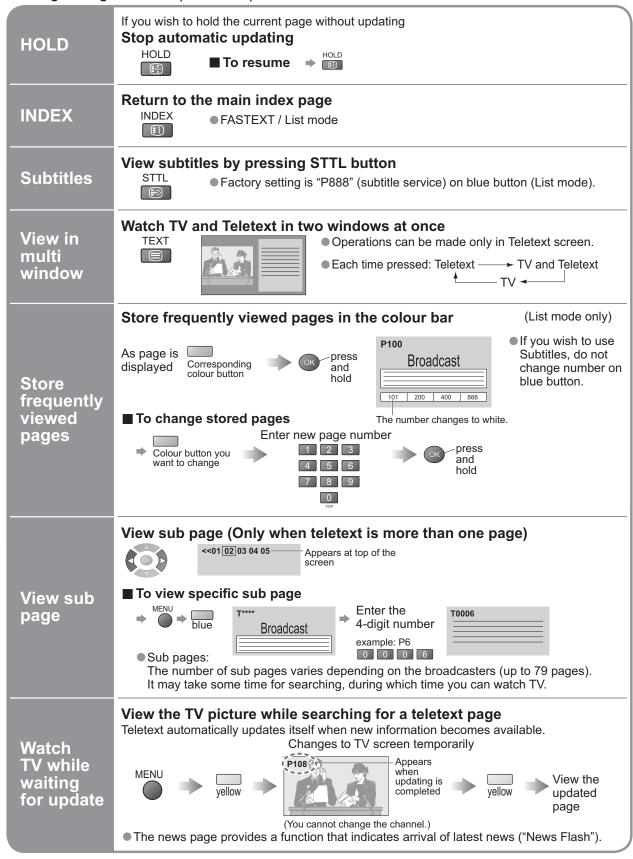
■ Using Analogue teletext



(Continued)

Viewing Teletext

■ Using Analogue teletext (Continued)



How to Use Menu Functions

Various menus allow you to make settings for the picture, sound, and other functions.



■ To return to TV at any time

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■ To return to the previous screen



Note

To initialize all settings
 "Shipping Condition"
 (p. 32)

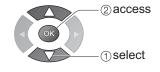
Display the menu



 Displays the functions that can be set (varies according to the input signal)

Select the menu





(example: Picture Menu)

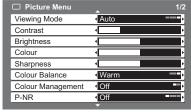
Select the item

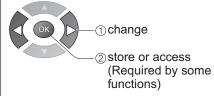




(example: Picture Menu)

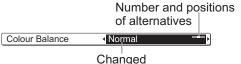
Adjust or select





(example: Picture Menu)

■ Choose from among alternatives



■ Adjust using the slide bar



■ Go to the next screen



■ To change menu pages



How to Use Menu Functions

■ Menu list

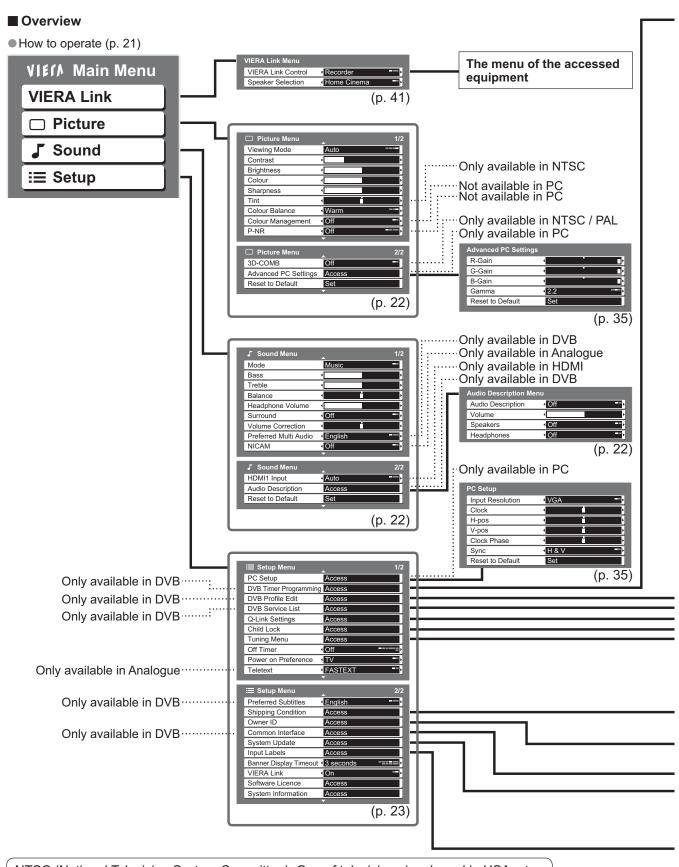
Menu	u Item /		Adjustments / Configurations (alternatives)		
VIERA	VIERA Link Control Speaker Selection		Controls the connected Panasonic equipment "Easy control only with VIERA remote control" (p. 41) "Speaker control" (p. 41)		
VIERA Link			Speaker control* (p. 41) ■ You can also access VIERA Link Menu directly using the VIERA Link button on the remote control.		
	Viewin	g Mode	Selects four different screen settings (Dynamic / Normal / Cinema / Auto) In each Viewing Mode setting, Contrast, Brightness, Colour, Sharpness, Tint (in NTSC only), Colour balance, Colour Management and 3D-COMB can be adjusted and stored to suit your particular viewing requirement (e.g., you may require different settings for viewing sports, films, news etc.) Set for each input signal Changes will be stored automatically. By analysing and processing the incoming picture, all four modes feature automatic enhancement		
	Contrast, Brightness, Colour, Sharpness		Increases or decreases the levels of these options according to your personal preference		
ס	Tint		With an NTSC signal source connected to the TV, the picture hue can be adjusted to suit your taste		
Ö	Colour Balance		Allows you to set the overall colour tone of the picture (Cool / Normal / Warm)		
Picture	Colour Management		Automatically adjusts colours to vivid ones (Off / On) Not valid on PC signal		
O O	P-NR		Picture Noise Reduction Automatically reduces unwanted picture noise (Off / Min / Mid / Max) Not valid on PC signal		
	3D-COMB		Occasionally, whilst viewing still or slow moving pictures, colour patterning may be seen Set to "On" to display sharper and more accurate colours (Off / On) For PAL or NTSC signal reception only Not valid on RGB, S-Video, components, PC and HDMI Analogue mode only		
	Reset to Default		Press the OK button to reset the present Picture Mode to the default settings P-NR is reset to Off		
	Mode		Select two different sound settings (Music / Speech) In each Sound Mode setting, Bass and Treble can be adjusted and stored to suit your particular sound requirement Changes to any settings in a mode will affect all signal sources Sound quality can be improved		
	Bass		Increases or decreases level to enhance or minimise lower, deeper sound output		
	Treble		Increases or decreases level to enhance or minimise sharper, higher sound output		
	Balance		Adjusts volume level of right and left speakers		
	Headphone Volume		Adjusts the volume of the headphones		
	Surround		Surround sound settings (Off / On) Provides a dynamic enhancer to simulate improved spatial effects		
	Volume Correction		Adjusts volume of individual channel or input mode		
	Preferi	ed Multi Audio	Selects the preferred language for DVB multi audio (depending on the broadcaster)		
Sound	NICAM		NICAM (Near Instantaneous Companded Audio Multiplex) A format for digital sound over television Reproduces stereo sound (Off / On) Off if reception is poor (FM monaural sound) Analogue mode only		
	HDMI1 Input		Select to fit the input signal (Auto / Digital / Analogue) (p. 39) Auto : Automatic detection of digital or analogue sound source Digital : HDMI cable connection Analogue : HDMI-DVI adapter cable connection HDMI input mode only HDMI2 terminal is for digital signal only No setting for HDMI2 available		
	Audio Description Menu	Audio Description	Useful for visually-impaired viewers (Off / On) Select "On" to sound the description sound if the programme has the signal		
		Volume	Adjusts the volume for audio description		
		Speakers	Set to "On" to active the description sound track from TV speakers (Off / On)		
	9	Headphones	Set to "On" to active the description sound track from headphones (Off / On)		
	Reset to Default		Press the OK button to reset the present Sound Mode to the default settings		

■ Menu list

Menu	ltem		Adjustments / Configurations (alternatives)
	DVB Timer Programming		Records future programmes (p. 36)
	D١	/B Profile Edit	Creates list of favourite programmes (p. 29)
	DVB Service List		Skips the unwanted DVB channels (p. 29)
	۵ - L	Q-Link	Selects which AV terminal is to be used for data communication between this TV and a compatible recording equipment (AV1 / AV2) (p. 38)
	Q-Link Settings	AV1 / AV2 out	Chooses the signal to be transmitted from the TV to Q-Link (Analogue / DVB / AV1 / AV2 / AV3 / Monitor) Monitor: Image displayed on screen Component, PC and HDMI signals cannot be outputted
	ngs	Download	Downloads analogue channel information to a Q-Link compatible equipment connected to the TV
	Cł	nild Lock	Locks a programme channel to prevent access to it (p. 29)
		Auto Setup	Automatically sets the channels received in the area (p. 30)
		Analogue Programme Edit	Edits analogue channels (p. 31)
	Tuning Menu	DVB Manual Tuning	Sets the DVB channels manually (p. 31)
		Analogue Manual Tuning	Sets the analogue channels manually (p. 31)
(0		Add New DVB Services	Adds new DVB services (p. 31)
Setup		New Service Message	Selects whether to give a notification message when a new DVB service is found (p. 31)
7		DVB Signal Condition	Checks the DVB signal condition (p. 31)
	Off Timer		Sets the time the TV automatically turns Off (Off / 15 / 30 / 45 / 60 / 75 / 90 minutes)
	Power on Preference		Set to "TV" to view picture from TV tuner. Set to "AV" to view input from an external equipment connected to a SCART terminal, e.g. satellite receiver (TV / AV) The external equipment must be switched on and sending a control signal for automatic switching at power on to occur
	Teletext		Analogue teletext display mode (FASTEXT / List) (p. 19)
	Preferred Subtitles		Selects the preferred language for DVB subtitles (depending on the broadcaster) ■ To display subtitles ⇒ p. 13
	Sh	ipping Condition	Resets all settings, for example, when moving house (p. 32)
	Owner ID		Inputs the owner ID (p. 33)
	Common Interface		Uses to watch pay-TV (p. 27)
	Sy	stem Update	Downloads new software to TV (p. 27)
	Input Labels		Labels or skips each input terminals (p. 34)
	Banner Display Timeout		Sets how long the information banner (p. 13) stays on screen O (No display) to 10 sec. in 1-sec. increments
	VIERA Link		Sets to use VIERA Link functions (Off / On) (p. 40)
	Software Licence		Displays the software licence information
	System Information		Displays the system information of this TV

<sup>A different menu will be displayed while PC is used. (p. 35)
Only available items can be selected.</sup>

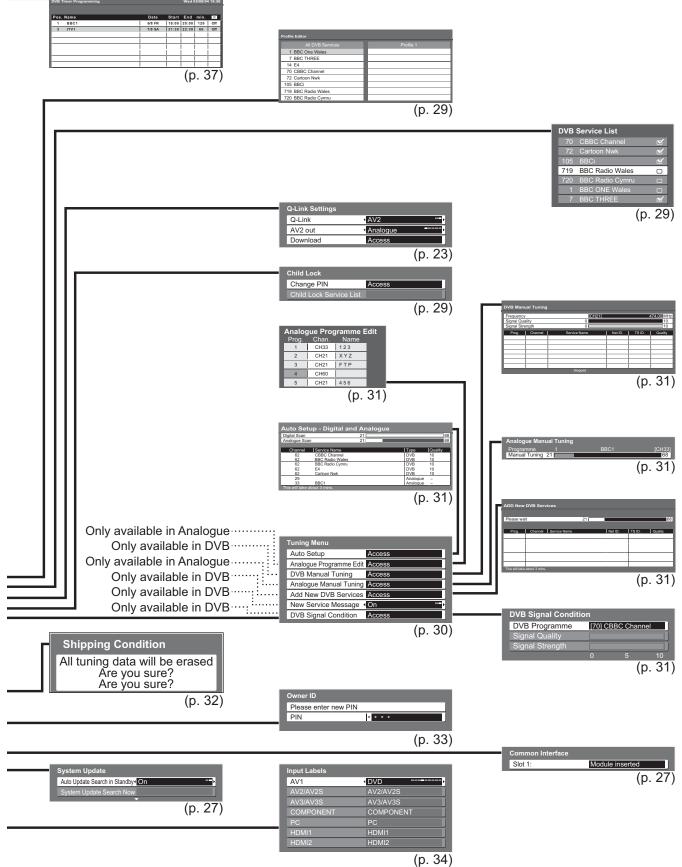
How to Use Menu Functions



NTSC (National Television System Committee): One of television signal used in USA, etc.

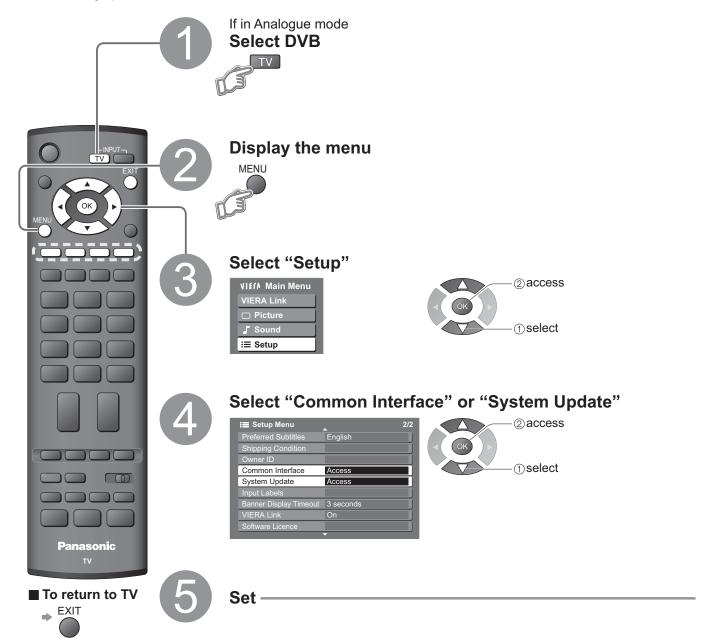






DVB Settings (DVB mode)

DVB Settings provide access to various advanced features.

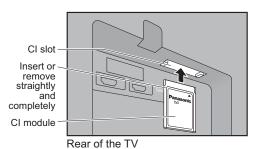


The Common Interface Module menu provides access to software contained on Common Interface (CI) Modules.

This TV receiver works only Pay TV modules complying with CI standard.

(Caution)

- Turn Off Mains power On / Off switch whenever inserting or removing the CI module.
- If a view card and a card reader come as a set, first insert the card reader, then insert the view card into the card reader.
- Do not insert the module up side down.



Pay-TV

Common Interface

① Insert the CI module (optional)

- The features that appear on screen are dependent on the contents of the selected CI module.
- Normally pay-TV services will appear without ② and ③. If pay-TV services does not appear, perform ② and ③.
- For more details, see the manual of the CI module, or check with the broadcaster.

2 Access "Common Interface"





③ Follow the on-screen instructions





On-screen operation guide may not correspond to the remote control buttons.

Download new software to TV.

For details (p. 45)

If System Update is performed, the software will be updated (it may change TV functions). If you do not wish to do so, set "Auto Update Search in Standby" to Off.

Update TV's software system

System Update

Select "Auto Update Search in Standby" and then set "On" or "Off"



On: Automatically performs a search in standby and downloads an update, if any software updates are available

■ To update immediately

Select

"System Update Search Now"





Searches for an update (for several min.) and displays a corresponding message if any

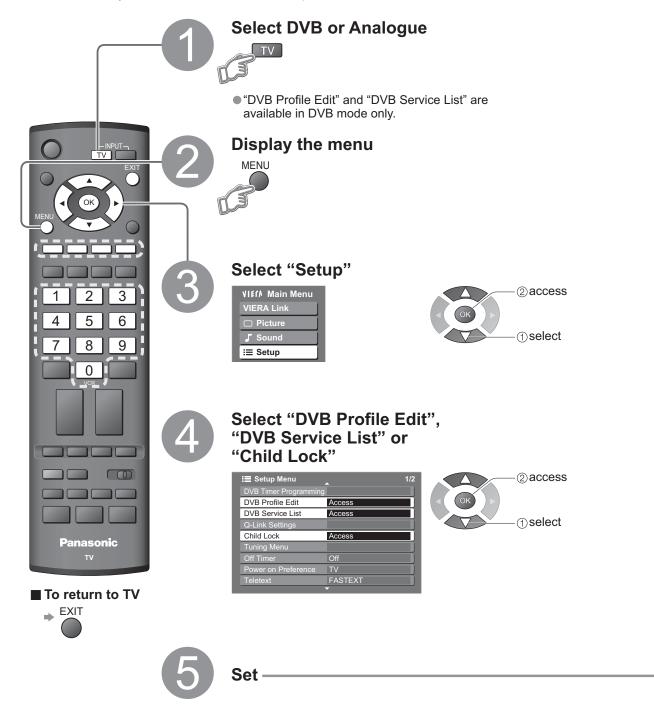


Download

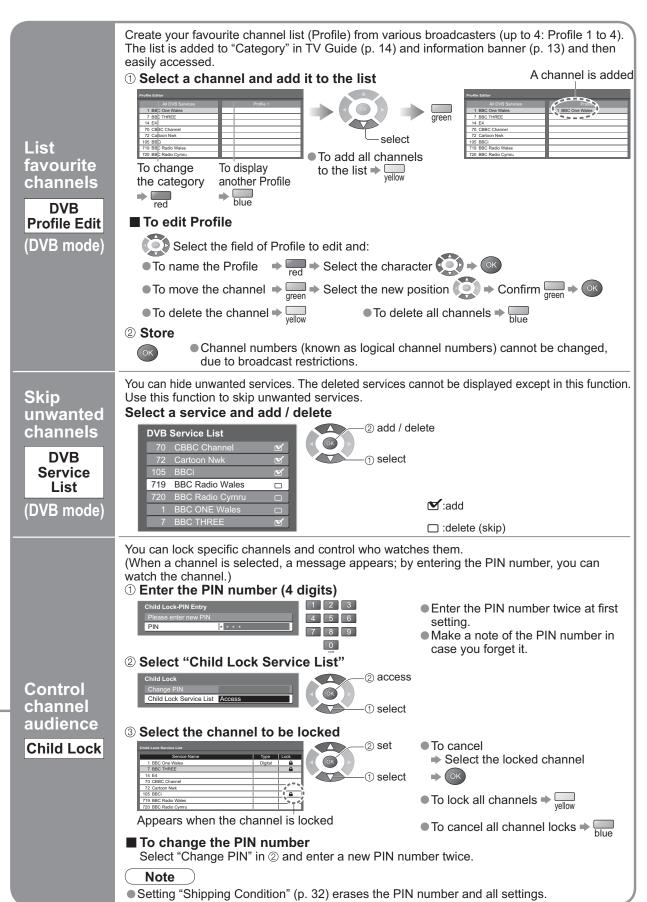
Download may take for about 20 min.

Editing Channels

You can make your favourite channel lists, skip unwanted channels and control channel audience.

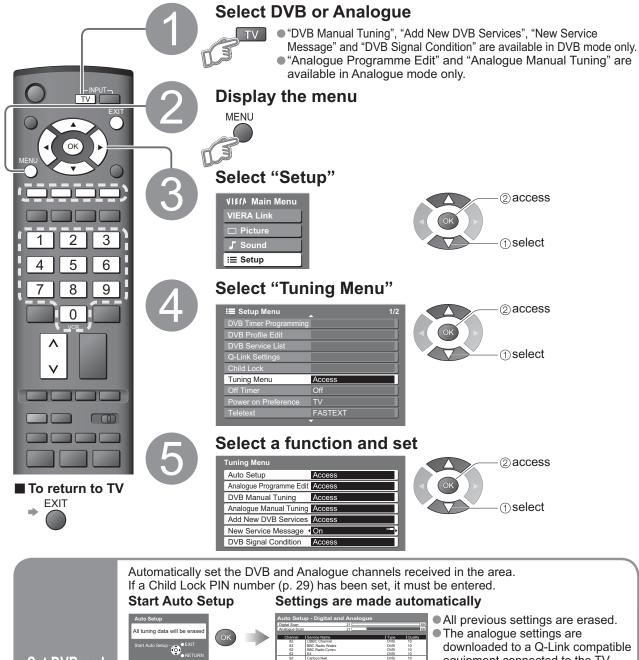


28



Tuning Channels

You can re-tune all TV channels when moving house or search for new services which may have recently started broadcasting.



Set DVB and Analogue channels automatically

Auto Setup

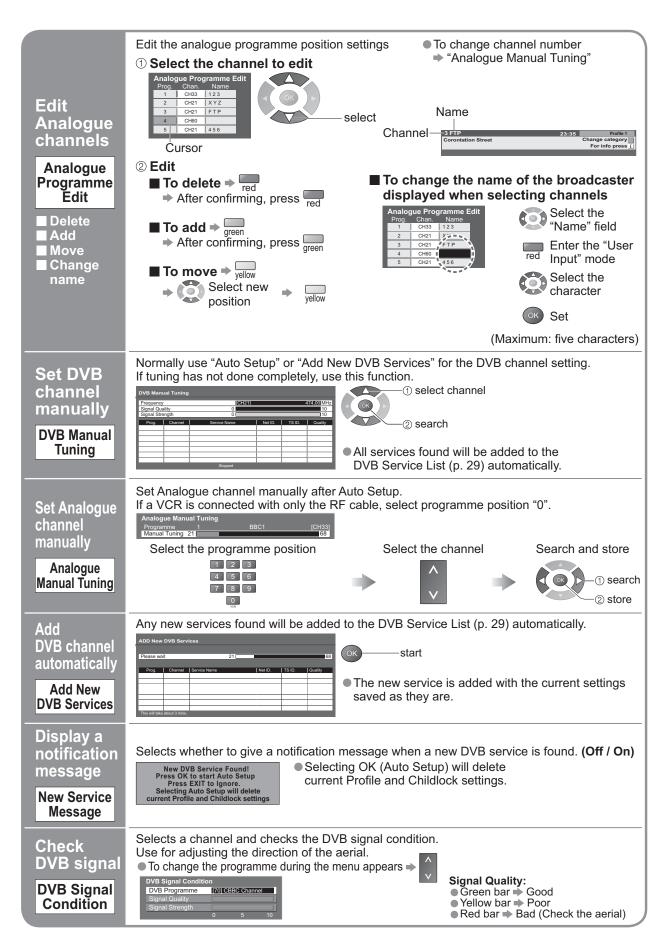
- - downloaded to a Q-Link compatible equipment connected to the TV.
- When the operation is completed, the digital broadcast of programme number "1" will appear. If no DVB services are found, the analogue broadcast will appear.
- If tuning has not done completely ⇒ "DVB Manual Tuning", "Analogue Manual Tuning"

For Auto Setup, using the buttons on the top of the TV

- ① Press repeatedly until "Auto Setup" appears
- ② Access "Auto Setup"
- Start "Auto Setup"

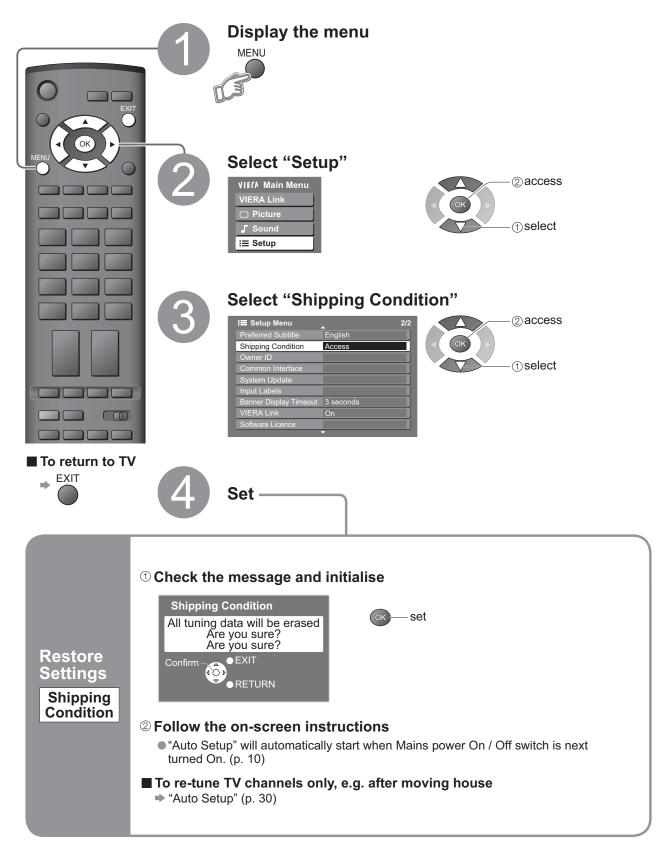
■ To return to TV ⇒ 🗐





Restore Settings

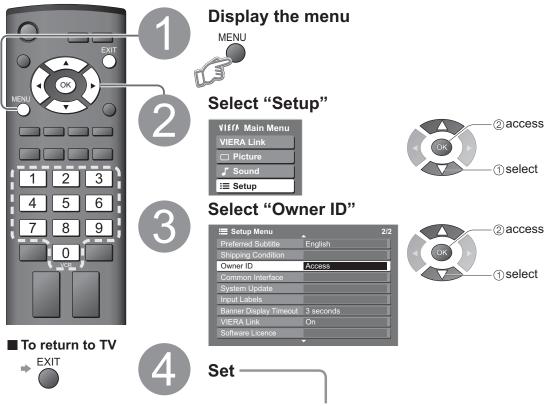
Resets the TV to its original condition, i.e. no channels tuned in. All settings other than "Owner ID" (channels, picture, sound quality, etc.) are reset.

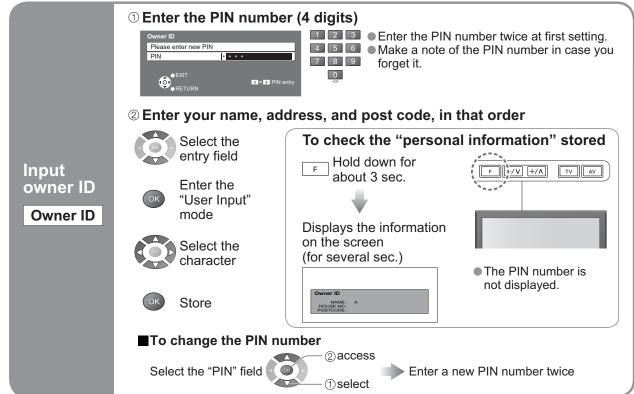


Owner ID

Entry of the security code (PIN number) and "personal information" (your name, address and post code). In the unfortunate event of theft it will help the Police to determine the owner.

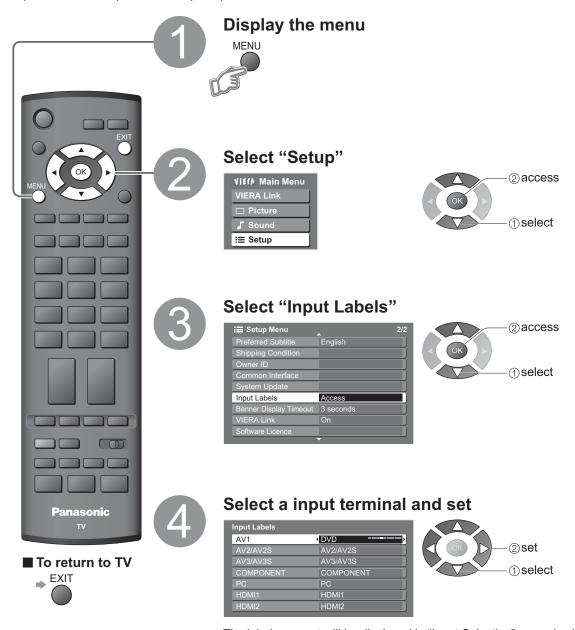
If you have skipped the Owner ID input in "Auto Setup" (p. 10), and input it later, start from ①. If you input the Owner ID in "Auto Setup" (p. 10), perform ④.





Input Labels

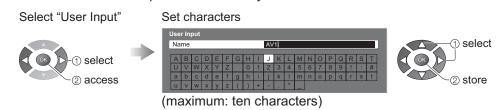
For easier identification and selection of the input mode, you can label each input terminals or skip terminal that is not connected to any equipment. (To select the input mode ⇒ p. 16)



The labels you set will be displayed in "Input Selection" menu (p. 16) or banner.
• If "Skip" is selected, you cannot select the mode.

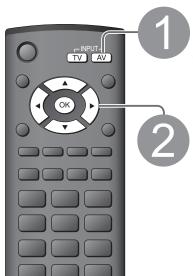
■ User Input

You can name each input terminals freely.

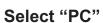


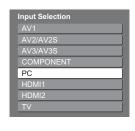
Displaying PC Screen on TV

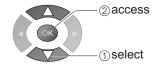
The screen of the PC connected to the TV can be displayed on the TV. You can also listen to PC sound with the audio cable connected. To connect PC (p. 42)



Select the external input







- Corresponding signals (p. 46)
- If "H-freq." or "V-freq." is shown in red, the signals may not be supported.

- To return to TV
 - **→** TV
- PC menu setting (changed as desired)
 - To make settings → "How to Use Menu Functions" 1 to 4 (p. 21)

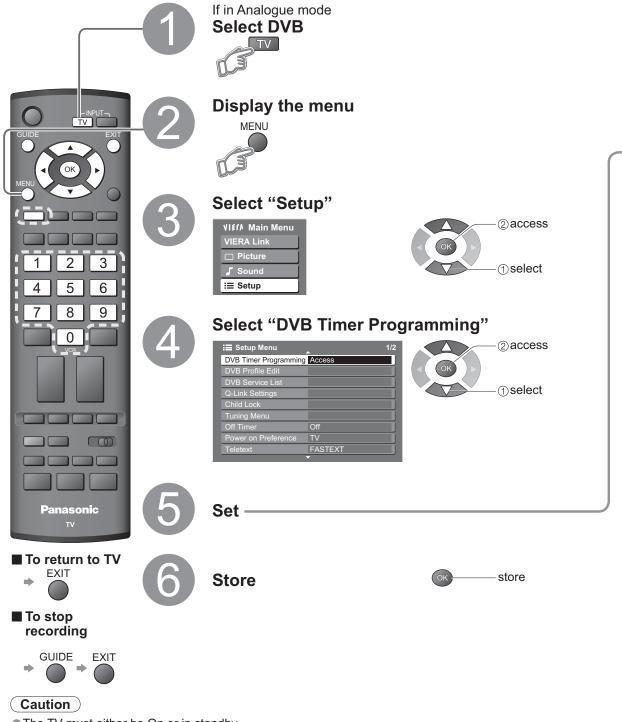
Menu	u Item		Adjustments / Configurations (options)
70		R-Gain	Adjusts the white balance for red areas
Picture	Advanced PC Settings	G-Gain	Adjusts the white balance for green areas
ür		B-Gain	Adjusts the white balance for blue areas
Ф		Gamma	(2.0 / 2.2 / 2.5)
	PC Setup	Input Resolution	Switches to a wide view VGA (640 × 480 pixels), WVGA (852 × 480 pixels), XGA (1,024 × 768 pixels), WXGA (1,366 × 768 pixels) Options change depending on signals
		Clock	Set to the minimum level if noise occurs
Setup		H-pos	Adjusts horizontal position
		V-pos	Adjusts vertical position
		Clock Phase	Eliminates flicker and distortion • Adjust after Clock adjustment • Set to the minimum level if noise occurs
		Sync	Chooses another synchronous signal if the image is distorted (H & V / On G) H & V : by the horizontal and vertical signals from your PC On G : by the green signal from your PC (if available)

Other items ⇒ p. 22 and p. 23

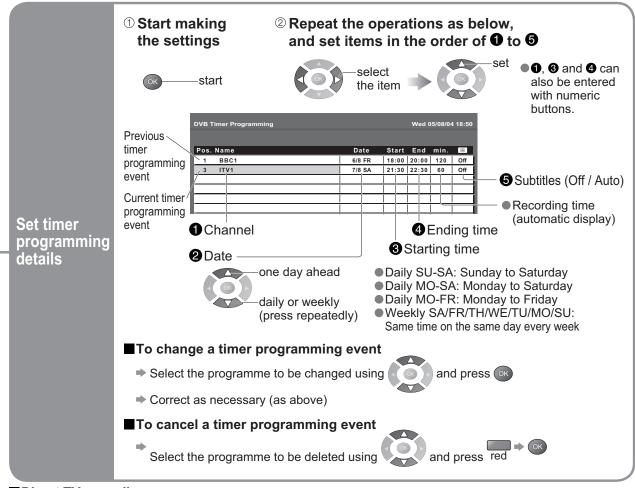
Recording Controls (DVB mode)

Timer Programming from Menu

The Timer programming menu allows you to choose programmes that you wish to record. At the correct time, the DVB system will switch on and tune to the correct station (even if the TV is in Standby mode). If the recording equipment is compatible with Q-Link or similar technologies (p. 38) and connected to the TV's AV2 terminal using a SCART cable (p. 42), you do not need to programme the device – the DVB system will control the recording process. TV Guide may also be used to set timer programmes. (p. 14)



- The TV must either be On or in standby.
- For preparations of a recording equipment, read the manual of equipment.
- No other DVB channel can be selected during recording. However you can watch analogue channels.
- It may not be possible to record an encrypted programme (which is copy-protected).



■ Direct TV recording:

You can record the current programme to DVD Recorder or VCR immediately. (p. 38)

Note

- Confirm the DVB LED lights (Orange). If not, a timer programming is not available.
- A message will appear if you try to programme a timer event which overlaps an already programmed event.
- 2 min. before the starting time: a reminder message appears.

(To remove the message → ○K); To cancel the programming →

- 10 sec. before the starting time: in DVB mode, the TV automatically selects the programmed channel.
- Cancelling the programming may not be valid immediately before the starting time. In this case, directly operate the recording equipment to cancel recording.

TV Guide–Electronic Programme Guide (EPG)–Timer Recording

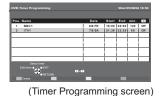
1 View TV Guide



■ There are two styles of display for TV Guide (Landscape / Portrait)

② Select the programme to be broadcast





DVB LED will turn on if Timer Programming is set.



DVB LED

Orange DVB LED
(Rapid blinking during recording)

■ To check / change / cancel a timer programming event ⇒ "Timer Programming" (above)

Q-Link Functions

Q-Link connects the TV and VCR / DVD recorder, enables easy recording and playback.

■ Condition

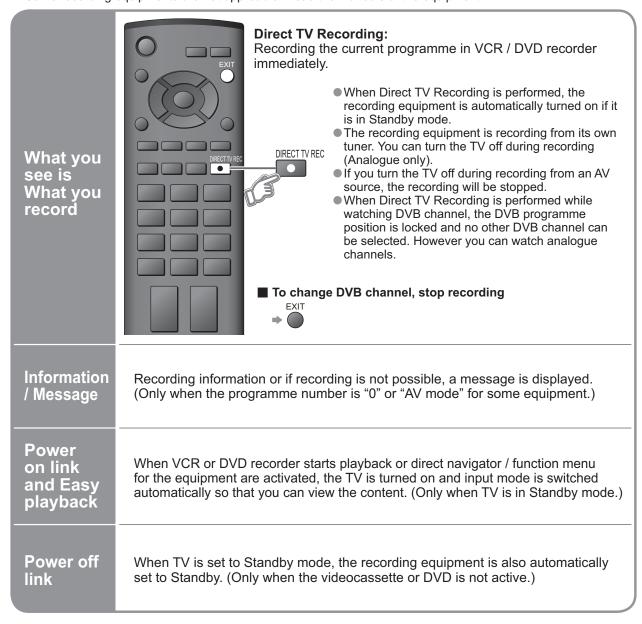
- Use the VCR / DVD recorder with the following logos:
 "Q-Link", "NEXTVIEWLINK", "DATA LOGIC", "Easy Link", "Megalogic", or "SMARTLINK"
 Connect the equipment to this TV's AV1 or AV2 terminal via a "fully-wired" SCART cable. (p. 42)
- Q-Link terminal setup in Setup menu (Q-Link, AV1 / AV2 out). (p. 23)

■ Download analogue channel settings

- Perform Auto Setup. (p. 30)
 - When first using this TV, see "Auto Setup". (p. 10)
- Perform download to the equipment. (p. 23)

■ Features available

Some recording equipments are not applicable. Read the manuals of the equipment.



- "DATA LOGIC" (a trademark of Metz Corporation)
- "Easy Link" (a trademark of Philips Corporation) Read the manuals of the equipment too.
- "Megalogic" (a trademark of Grundig Corporation)
- "SMARTLINK" (a trademark of Sony Corporation)

HDMI Functions

HDMI (high-definition multimedia interface) allows you to enjoy high-definition digital images and high-quality sound by connecting the TV and the equipment.

HDMI-compatible equipment (*1) with an HDMI or DVI output terminal, such as a set top box or a DVD player, can be connected to the HDMI terminal using an HDMI compliant (fully wired) cable. About connections, see "External Equipment" (p. 42).

Note

- HDMI is the world's first complete digital consumer AV interface complying with a non-compression standard.
- If the external equipment has only a DVI output, connect to the HDMI1 terminal via a DVI to HDMI adapter cable (*2).
- When the DVI to HDMI adapter cable is used, connect the audio cable to the audio input terminal (HDMI1: use COMPONENT-AUDIO terminals).
- Audio settings can be made on the "HDMI1 Input" menu screen. (p. 22)
- Applicable audio signal sampling frequencies (2ch L.PCM): 48 kHz, 44.1 kHz, 32 kHz
- HDMI2 terminal is for digital audio signal only.
- Use with a PC is not assumed.
- If the connected equipment has an aspect adjustment function, set the aspect ratio to "16:9".
- These HDMI connectors are "type A".
- These HDMI connectors are compatible with HDCP (High-Bandwidth Digital Content Protection) copyright protection.
- An equipment having no digital output terminal may be connected to the input terminal of either "Component", "S-VIDEO", or "Video" to receive analogue signals.
- The HDMI input terminal can be used with only the following image signals:
 480i, 480p, 576i, 576p, 720p, 1080i and 1080p. Match the output setting of the digital equipment.
- For details of the applicable HDMI signals, see p. 46.

(*1): The HDMI logo is displayed on HDMI-compliant equipment. (*2): Enquire at your local digital equipment retailer shop.

■ Summary of Control functions

Connecting with an HDMI cable to Panasonic equipment with VIERA Link function, you can control the equipment (p. 40). You can use VIERA Link and Q-Link functions together.

Function	VIERA Link and Q-Link (HDMI) (SCART)	VIERA Link only (HDMI)	Q-Link only (SCART)
Easy playback		0	0
Power on link	ink O		0
Power off link	0	0	0
Speaker control	peaker control (not via SCART)		-
Easy control only with VIERA remote control	O (not via SCART)	0	-
Direct TV Recording	O (not via HDMI)	-	0
Analogue channel download	O (not via HDMI)	_	0

HDMI Functions

VIERA Link "HDAVI Control™"*

*Enjoy additional HDMI Inter-Operability with Panasonic products which have "HDAVI Control" function. This TV supports "HDAVI Control 2" function.

Connections to some Panasonic equipment (DVD Recorder DIGA, HD Video Camera, Player theatre, Amplifier, etc.) with HDMI cables allow you to interface them automatically.

The equipment with "HDAVI Control" function enables the following operations:

- Easy playback (p. 41)
- Power on link (p. 41)
- Power off link (p. 41)
- Speaker control (p. 41)

In addition, the equipment with "HDAVI Control 2" function enables the following operation:

Access and control the connected equipment by VIERA remote control (p. 41)

These features are limited to models incorporating Panasonic's "HDAVI Control" and "VIERA Link".

The operations with other manufacturer's equipment cannot be guaranteed.

Refer to individual manuals for compatibility information. About applicable equipment, consult your local Panasonic dealer or refer to the URL: www.panasonic.co.uk

HDMI cable

This function needs an HDMI compliant (fully wired) cable. Non-HDMI-compliant cables cannot be utilized. It is recommended that you use Panasonic's HDMI cable. Recommended part number:

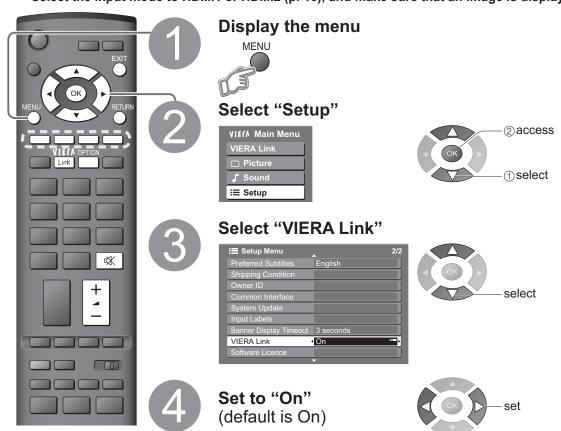
- RP-CDHG15 (1.5 m)
- RP-CDHG30 (3.0 m)
- RP-CDHG50 (5.0 m)

■ Preparations

Setup the equipment to enable this function. Read the manuals of the equipment. About connections, see "External Equipment" (p. 43). Read the manuals of the equipment too.

■ For the first time / When adding new equipment, reconnecting equipment or changing setup After connection turn the equipment on and then switch the TV on.

Select the input mode to HDMI1 or HDMI2 (p. 16), and make sure that an image is displayed correctly.



You can control some functions of the connected Panasonic equipment with this TV remote control (point the remote control at the TV's signal receiver).

• If you cannot access the menu, check the settings and the equipment (p. 40).

Access and operate the menu of the equipment

- ① Display "VIERA Link Menu" → VIETA
- 2 Select "VIERA Link Control"



③ Select the equipment you want to access

• "Home Cinema" means Player theatre, Recorder theatre and Amplifier.



■ When the equipment with "HDAVI Control 2" function is connected



Recorder / Player / Home Cinema / Video Camera

Displayed the kind of the connected equipment. Select the kind of the equipment and access.



The menu of the accessed equipment

(Input mode will be changed automatically)

■ When the equipment with "HDAVI Control" function is connected



Recorder / Player / Home Cinema / Video Camera

Displayed the kind of the connected equipment. But you cannot access it. Use its own remote control to operate the equipment.

■ When other kind or other manufacturer of the equipment is connected



Others

"Others" is displayed.

You cannot access it. Use its own remote control to operate the equipment.

4 Operate the menu of the equipment

• Available VIERA remote control buttons (depending on the connected equipment):

	Move the cursor / select the menu	EXIT	Exit the menu
	Move the cursor / access / adjust	OPTION	Display the operation guide for the equipment The same functions with the
OK	Store / Set / Access		OPTION button of the equipment
RETURN	Return to the previous menu	red green yellow blue	Access when the key words are displayed on colour bar

About the operations for the equipment, read the manual of the equipment.

Easy playback

Access

control the

connected

equipment

by VIERA

remote

control

and

Automatic Input switching-When the connected Panasonic equipment is operated, input mode is switched automatically. When it is stopped operating, input mode is returned.

Power on link

When the connected Panasonic equipment starts playback or direct navigator / function menu for the equipment are activated, the TV is automatically turned on. (Only when TV is in Standby mode.)

Power off link

When TV is set to Standby mode, the connected Panasonic equipment is also automatically set to Standby.

This function will work even if the TV enters standby mode automatically by Off Timer function or auto power standby function.

You can control the theatre speaker with TV's remote control.

This function is available when Panasonic Amplifier or Player theatre is connected.

- If you cannot access the menu, check the settings and the equipment (p. 40).
- ① Display "VIERA Link Menu" →
- 2 Select "Speaker Selection"



③ Set to "Home Cinema" or "TV"



■ Home Cinema

Adjustment for equipment (automatically turned on if it is in Standby mode).

Volume up / down ⇒





- The sound of TV speakers is mute.
- When the equipment is turned off, TV speakers will be active.

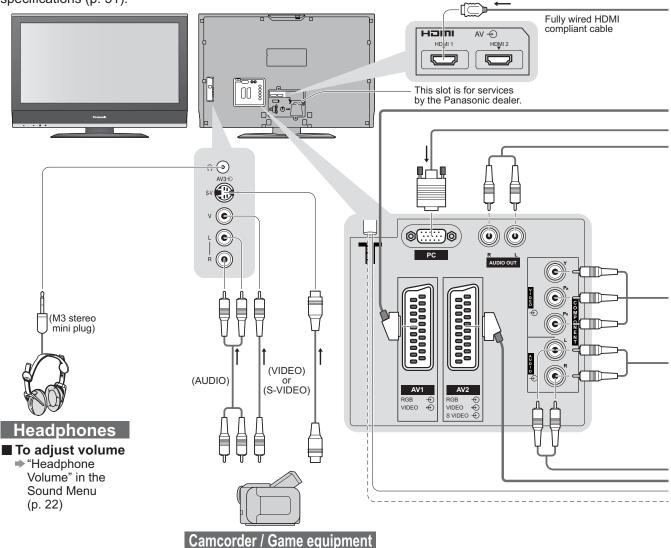
■ TV

TV speakers are active.

Speaker control

External Equipment

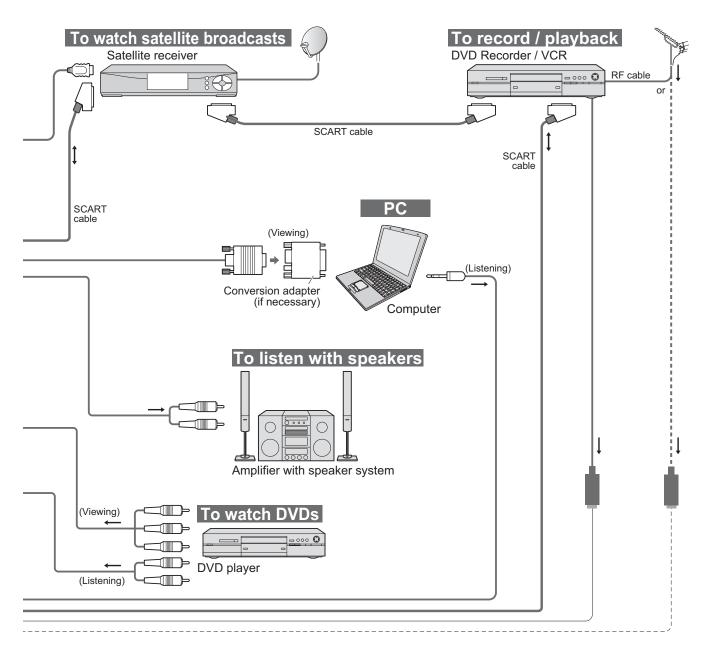
These diagrams show our recommendations for how to connect the TV to your various equipment. For other connections, consult the instructions for each piece of equipment, the table below, and the specifications (p. 51).

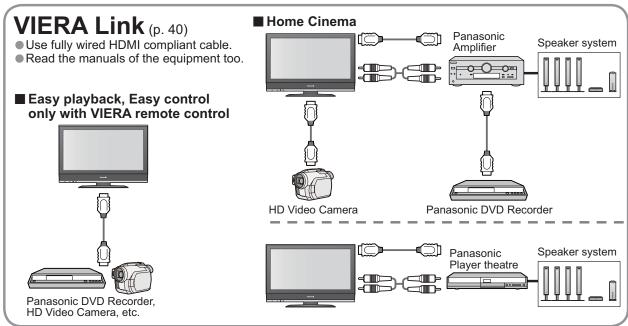


■Types of connectable equipment to each connector

Connector Recording / Playback	AV1	AV2	AV3 (Side of TV) (Side of TV)	● PB● PR● L	AUDIO OUT	Ha	
(equipment)				● R		1	2
■To record / playback videocassettes / DVDs (VCR / DVD recorder)	0	0					
■To watch DVDs (DVD player)	0	0	0	0		0	
■To watch camcorder images (Video camera)	0	0	0			0	
■To watch satellite broadcasts (Set top box)	0	0	0			0	
■To play games (Game equipment)	0	0	0				
■To use amplifier with speaker system					0		
■Q-Link	0	0					
■Direct TV Recording	0	0					
■VIERA Link						0	

O: Recommended Connection





Technical Information

Aspect Ratio

The optimum size and aspect can be chosen, and you can enjoy finer images. (p. 13)

■ Auto aspect: Auto aspect 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 Auto aspect detects a widescreen signal it switches into the appropriate 16:9 or 14:9 widescreen mode. If Auto aspect does not detect a widescreen signal then this advanced TV enhances the picture for optimum viewing pleasure. The text shown on the screen indicates how Auto aspect 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. Auto aspect switches to the appropriate 16:9 or 14:9 widescreen ratio. This function will also work in any aspect mode. "Auto aspect" appears in the top left of the screen if black stripes above and below the picture are detected. Auto aspect 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.

											Aspect Con	trol Si	gnal					
					As	pect	modes			Wi	desc	reer	sig	nal (WSS)	Control (pin	signal 8) or HI	through DMI tern	SCART ninal
s	igr	nal name	Auto aspect	16:9	14:9	4:3	Zoom1	Zoom2	Zoom3	TV	AV1	AV2	AV3	Component	AV1	AV2	HDMI 1	HDMI 2
₹	P	٩L	0	0	0	0	0	0	0	0	0	0	0	_	0	0	_	_
TV/AV1/AV2/AV3	P	AL 525/60	0	0	О	0	0	0	0	_	_	_	_	_	0	0	_	_
I	D'	VB	0	0	0	0	0	0	0	0	_	_	_	_	_	_	_	_
12/2	M	.NTSC	0	0	0	0	0	0	0	_	_	_	_	_	0	0	_	_
≲	N.	TSC(AV input only)	0	0	0	0	0	0	0	_	_	_	_	_	0	0	_	_
		525(480)/60i	0	0	0	0	0	0	0	_	_	_	_	_	_	_	0	0
C	<u>ග</u>	525(480)/60p	0	0	0	0	0	0	0	_	_	_	_	_		_	0	0
9	ㅁ	625(576)/50i	0	0	0	0	0	0	0	_	_	_	_	0	_	_	0	0
β	L	625(576)/50p	0	0	0	0	0	0	0	_	_		_	0		_	0	0
ă		750(720)/50p	0	0	0	0	0	0	0	_	_	_	_	_	_	_	0	0
mt		750(720)/60p	0	0	0	0	0	0	0	_	_		_	_		_	0	0
主	품	1125(1080)/50i	0	0	0	0	0	0	0	_	_	_	_	_	_	_	0	0
Component/HDMI	٥	1125(1080)/60i	0	0	0	0	0	0	0	_	_	_	_	_		_	0	0
		1125(1080)/50p	0	0	0	0	0	0	0	_	_	_	_	_	_	_	0	0
	L	1125(1080)/60p	0	0	0	0	0	0	0	_	_	_	_	_		_	0	0
PC	in	put	_	0	_	0	_	_	_	_	_	_	_	_	_	_	_	_

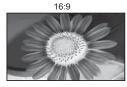
The ratio varies depending on the programme, etc. If the ratio is greater than the standard "16:9", black bands may appear at the top and bottom of the screen.
If the screen size looks unusual when a widescreen-recorded programme is played back on a VCR, adjust the

tracking of the VCR. (See the VCR manual.)

Aspect mode can be memorized for SD (Standard definition) and HD (High definition) signals separately.
 To select the ratio manually: (Only "16:9" or "4:3" in PC mode)



The best ratio is chosen and the picture expanded to fill the screen.



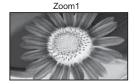
Directly displays the image at "16:9" without distortion (anamorphic).



Displays the image at the standard 14:9" without enlargement.



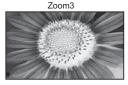
Displays the image at the standard "4:3" without distortion.



Displays a "16:9" letterbox or "4:3" image without distortion.



Displays a "16:9" letterbox (anamorphic) image full-screen without distortion.



Displays a "2.35:1" letterbox (anamorphic) image full-screen without distortion. At "16:9", displays the image at its maximum (with slight enlargement).

Updating the DVB software

From time to time, a new version of software for DVB mode may become available for download to enhance performance or operations of the TV.

A notification banner will appear when you tune to one of the BBC channels, or you can search for a new version software by using the "System Update Search Now" function (p. 27).

To start downloading press "OK", this may take up to 20 minutes to complete.

To ignore the new software press "EXIT", but this banner will keep appearing during the period of new software availability, usually 2 to 3 days.

To download any new software automatically, ensure that the "Auto Update Search in Standby" function in the System Update menu is set to "On" (p. 27).

The TV will then download new software automatically at night if it is left in standby without any timer programme in progress.

Note

During software download and update, DO NOT switch off the TV.

VIERA Link "HDAVI Control™"

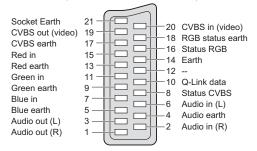
HDMI connections to some Panasonic equipment allow you to interface them automatically. (p. 40)

- This function may not work normally depending on the equipment condition.
- Image or sound may not be available for the first few seconds when the playback starts.
- Image or sound may not be available for the first few seconds when Input mode is switched.
- Volume function will be displayed when adjusting the volume of the equipment.
- Easy playback is also available by using the remote control for Amplifier or Player theatre. Read the manuals of the equipment.
- If you connect the same kind of equipment at once (for example: one DIGA to HDMI1 / another DIGA to HDMI2), VIERA Link is available for the terminal with the smaller number.

SCART, S-VIDEO and HDMI terminal information

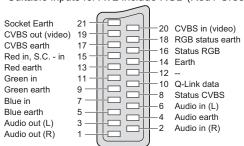
■ AV1 SCART terminal (RGB, VIDEO, Q-Link)

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

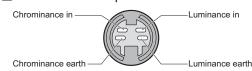


■ AV2 SCART terminal (RGB, VIDEO, S-VIDEO, Q-Link)

ÀV2 - Pins 15 and 20 are dependent on AV2 S-VHS / VIDEO switching Suitable inputs for AV2 include RGB (Red / Green / Blue).

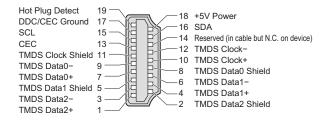


■ AV3 S-VIDEO 4 pin terminal



want to update the software and reboot the system
Press OK to download the new version
Press EXIT to Ignore

■ HDMI terminal



Technical Information

PC connection

A PC may be connected to this TV so that the PC screen is displayed and sound is heard from the TV.

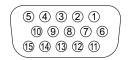
- PC signals that can be inputted: Horizontal scanning frequency 31 to 69 kHz; vertical scanning frequency 59 to 86 Hz (more than 1,024 signal lines could result in incorrect display of the image).
- A PC adapter is not necessary for the DOS/V-compliant D-sub 15-pin connector.

Note

- Some PC models cannot be connected to this TV.
- When using PC, set the colour display quality of PC to the highest position.
- For details of the applicable PC signals, see below.
- Max. display resolution

Aspect	4:3	1,024 × 768 pixels
	16:9	1,366 × 768 pixels

D-sub 15-pin connector signal



Pin No.	Signal Name	Pin No.	Signal Name	Pin No.	Signal Name
1	R	6	GND (Ground)	11)	NC (not connected)
2	G	7	GND (Ground)	12	NC (not connected)
3	В	8	GND (Ground)	13	HD
4	NC (not connected)	9	NC (not connected)	14)	VD
5	GND (Ground)	10	GND (Ground)	15	NC (not connected)

Input signal that can be displayed

COMPONENT (Y, PB, PR), HDMI

* Mark: Applicable input signal

Signal name	COMPONENT	HDMI
525 (480) / 60i	*	*
525 (480) / 60p	*	*
625 (576) / 50i	*	*
625 (576) / 50p	*	*
750 (720) / 60p	*	*
750 (720) / 50p	*	*
1,125 (1,080) / 60i	*	*
1,125 (1,080) / 50i	*	*
_1,125 (1,080) / 60p		*
1,125 (1,080) / 50p		*

PC (D-sub 15P)

1 3 (B 3db 101)		
Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 400 @70 Hz	31.47	70.07
640 × 480 @60 Hz	31.47	59.94
640 × 480 @75 Hz	37.50	75.00
800 × 600 @60 Hz	37.88	60.32
800 × 600 @75 Hz	46.88	75.00
800 × 600 @85 Hz	53.67	85.06
852 × 480 @60 Hz	31.44	59.89
1,024 × 768 @60 Hz	48.36	60.00
1,024 × 768 @70 Hz	56.48	70.07
1,024 × 768 @75 Hz	60.02	75.03
1,024 × 768 @85 Hz	68.68	85.00
1,280 × 1,024 @60 Hz	63.98	60.02
1,366 × 768 @60 Hz	48.39	60.04
Macintosh13" (640 × 480)	35.00	66.67
Macintosh16" (832 × 624)	49.73	74.55
Macintosh21" (1,152 × 870)	68.68	75.06

Note

- Signals other than above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.
 Applicable input signal for PC is basically compatible to VESA standard timing.
- PC signal is magnified or compressed for display, so that it may not be possible to show fine detail with sufficient clarity.

FAQs

Before requesting service or assistance, please follow these simple guides to resolve the problem. If problem still persists, please contact your local Panasonic dealer or Panasonic Customer Care Centre for assistance. For details (p. 52)

White spots or shadow images (noise)





 Check the position, direction, and connection of the aerial.

Neither image nor sound is produced

- Is the TV in "AV mode"?
- Is the mains lead plugged into the socket outlet?
- Is the TV turned On?
- Check Picture Menu (p. 22) and volume.
- Check all required SCART cables and connections are firmly in place.

Auto aspect

 Auto aspect is designed to provide you with the best aspect ratio to use to fill your screen. For user control please see p. 44.

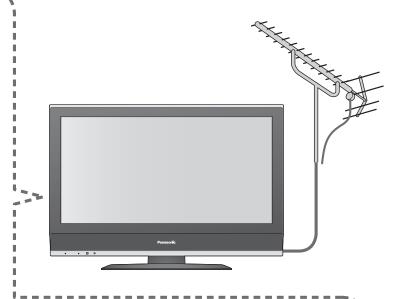
S-Video / black and white picture

 Using AV button please confirm your selection is S-Video I.e. AV2/AV2S (p. 16).

No programmes shown on TV Guide



- Check the DVB transmitter.
- Adjust the direction of the aerial to another transmitter installed nearby.
- Check the analogue broadcast.
 If the image quality is poor, check the aerial and consult your nearest dealer.



On Screen messages - I.e. EC/AV1

lacktriangle You can simply clear these by pressing the $m{i}$ button . Press again to redisplay.

Direct TV record / Q-Link functions not recording

 Please confirm SCART cable and connection. Also please set "AV1 / AV2 out" in the Setup Menu (p. 23).

There may be red spots, blue spots, green spots and black spots on the screen

• 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 red, green, blue or black. Please note this does not affect the performance of your LCD.

The LCD panel moves slightly when it is pushed with a finger Clattered sound might be heard

- There are some looseness around the panel to prevent the damage to the panel.
 - The panel might move slightly when it is pushed with a finger, and clattered sound might be heard. This is not a malfunction.

FAQs

	Problem		Actions			
	Chaotic image, noisy		 Set "P-NR" in the Picture Menu (to remove noise). (p. 22) Check nearby electrical products (car, motorcycle, fluorescent lamp). 			
Screen	No image can be displayed		Is "Colour" or "Contrast" in the Picture Menu set to the minimum? (p. 22)			
een	Blurry or distorted image (no sound or low volume)		Reset channels. (p. 30)			
	Unusual image is displayed		• Turn off the TV with Mains power On / Off switch, then turn it on again.			
Sound	No sound is produced		Is "Sound mute" active? (p. 7)Is the volume set to the minimum?			
bur	Sound level is low or sound is distorted		 Sound signal reception may be deteriorated. Set "NICAM" (p. 22) in the Sound Menu to "Off". (Analogue only) 			
	 Due to the digital reception technologies involved, quality of the DTV signals may be relatively low in some cases, despite good reception of analogue programmes. 					
DVB	Interference or frozen / disappearing image in DVB		 Check "DVB Signal Condition". (p. 31) If "Signal Quality" or "Signal Strength" are displayed in red, check aerial. If problem persists, consult your local Panasonic dealer. Turn the TV off with the Mains power On / Off switch, then turn it On again. 			
HD	Sound is unusual		 Set the sound setting of the connected equipment to "2ch L.PCM". Check the "HDMI1 Input" setting in the Sound Menu. (p. 22) If digital sound connection has a problem, select analogue sound connection. (p. 39) 			
IMI	Pictures from external equipment are unusual when the equipment is connected via HDMI		 Is the HDMI cable connected properly? (p. 42) Turn Off the TV and equipment, then turn them On again. Check an input signal from the equipment. (p. 46) Use an equipment compliant with EIA/CEA-861/861B. 			
	TV goes into "Standby mode"		 Off Timer function is activated. The TV enters "Standby mode" about 30 min. after broadcasting ends. 			
Other	The remote control does not work		Are the batteries installed correctly? (p. 6)Has the TV been switched On?			
	An error message appears		 Follow the message's instructions. If the problem persists, contact the authorized Service Centre. 			

On screen messages

Message	Meaning / Action
All tuning data will be erased	 "Shipping Condition" will erase all tuning data (p. 32). "Auto Setup" will be erased all present DVB and Analogue tuning datas (p. 30).
Are you sure ?	• Make sure the operation is with your desire.
Are you sure you want to delete this timer ? Press OK to delete timer Press Exit to return	• Make sure the deleting programme event is with your desire.
Bad Signal	▶ • The signal is weak. Check the aerial.
DOWNLOAD IN PROGRESS PLEASE WAIT	Q-Link channel download is in progress.
Feature not available	 Check the Q-Link connection and setting (p. 38). The impossible source (Component / HDMI / PC) to be record.
Invalid DVB Channel	▶ • Invalid DVB channel is selected.
Invalid system time. Please exit!	Cannot get the time information. Check the connection of the RF cable.
Max. number of Timers already set !	▶ • Maximum timer programming event is 8.
New DVB Service Found! Press OK start Auto Setup Press EXIT to Ignore. Selecting Auto Setup will delete current Profile and Childlock settings	▶ • There is a new DVB station.
New version 1.90 found. Do you really want to update the software and reboot the system? Press OK to download the new version Press EXIT to Ignore	▶ • There is a new software available.
No DVB Service found	▶ • No DVB signal can be found in Auto Setup.
No module inserted	Check the CI module inserted completely (p. 27).
No recording - Check Tape or Disc	The tape or disc may be "write protected", missing or damaged. The equipment may already be recording.
No recording - UNKNOWN REASON	 The recording cannot be done by any reason. Check the equipment. Disc or tape may be full.
No Service	▶ • The station stops the services.
No Signal	▶ • Check the connection of the RF cable.

On screen messages

Message	Meaning / Action
No stations found Please insert the aerial	No analogue signal can be found in Auto Setup.
PIN incorrect !	▶ • The PIN number you entered is wrong.
Please check aerial or local DVB service availability. Press OK to start Auto Setup	Please follow the message. If it is still failed, consult your local Panasonic dealer.
Please check settings and connections on HDMI devices.	Communication error in VIERA Link function (p. 40).
Please wait.	▶ ● A function is in progress.
Recording in progress	 The recording equipment is recording the programme signal from its own tuner. You can turn the TV off and leave the equipment recording in the normal way.
Shipping condition completed. TV can now be switched off.	 "Auto Setup" will automatically start when Mains power On / Off switch is next turned On. (p. 10)
Software successfully updated Press EXIT to continue	▶ • The software updating is finished.
Software Update failed. Please try again later. Press EXIT to continue	Perform "System Update Search Now" in System Update (p. 27). If it is still failed, there may not be the new software.
This service is locked! Press OK to enter PIN	▶ • The selected channel is locked in Child Lock (p. 29).
Timer already expired !	Starting time in Timer Programming is already past. Set correctly (p. 37).
Timer Event Due to Start 1: BBC1 has been Programmed for recording at 20:00	This message will appear 2 minutes before timer programming event due to start.
Timer incorrect !	 Set Starting and Ending times in Timer Programming correctly (p. 37).
Timer overlap !	 The timer programme events are overlapped. Cannot record other channel at the same time. Check the Starting and Ending times in Timer Programming (p. 37).
Tuner Locked Please stop recording to operate	If you want to unlock, cancel Direct TV Recording (p. 38) or Timer Programming (p. 36).
Unable to download, Check Equipment	▶ • The tape or disc is active. Stop the equipment and try again.

SpecificationsIndexOn screen messages

Specifications

			TX-26LMD70	TX-32LMD70		
	Power Source		AC 220-240 V, 50 Hz			
Power Consumption	Average use	•	100 W	115 W		
Standby condition			1,0 W (Without DVB recording) / 13 W (With DVB recording)			
D G	Aspect Rati	0	16:9			
Display panel	Visible scre	en size	66 cm (diagonal) 577 mm (W) × 325 mm (H)	80 cm (diagonal) 699 mm (W) × 394 mm (H)		
Ž	Number of p	oixels	1,049,088 (1,366 (W) × 768 (H))			
S	Speaker		120 mm × 60 mm × 2 pcs			
Sound	Audio Outp	ut	20 W (10 W + 10 W)			
ď	Headphone	S	M3 (3.5 mm) stereo mini Jack × 1			
PC signals			VGA, SVGA, XGA SXGA ······ (compressed) Horizontal scanning frequency 31 - 69 kHz Vertical scanning frequency 59 - 86 Hz			
Receiving Systems / Band name			PAL I PAL 525/60 PAL 5			
Aeri	al - Rear		UHF			
Ope	rating Condi	tions	Temperature : 0 °C - 35 °C Humidity : 20 % - 80 % RH (non-condensing)			
O	AV1 (Scart t		21 Pin terminal (Audio/Video in, Audio/Video out, RGB in, Q-Link)			
9	AV2 (Scart t		21 Pin terminal (Audio/Video in, Audio/Video o	out, RGB in, S-Video in, Q-Link)		
ne		VIDEO		p-p] (75 Ω)		
C <u>C</u>	AV3	S-VIDEO		/[p-p] (75 Ω) C:0.286 V[p-p] (75 Ω)		
9		AUDIO L - R				
Connection Terminals	COMPONENT	VIDEO	Рв, Р ±0.35			
₫			RCA PIN Type × 2 0.5 V[r			
na		HDMI1 / 2		V supports "HDAVI Control 2" function.		
S	PC I		HĎ, VI	'0.7 V[p-p] (75 Ω) D/TTL Level 2.0 - 5.0 V[p-p] (high impedance)		
Output AUDIO L - R				ms] (high impedance)		
	Dimensions (W × H × D)		657 mm × 473 mm × 117 mm (TV only)	791 mm × 615 mm × 248 mm (With TV Stand) 791 mm × 563 mm × 117 mm (TV only)		
Weig	ght		14.0 kg Net	18.0 kg Net		
vvei	gnt		14.0 kg Net	18.0 kg Net		

Note

Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.
This equipment complies with the EMC standards listed below.
EN55013:2001+A1:2003, EN55020:2002+A1:2003+A2:2005, EN61000-3-2:2000+A2:2006, EN61000-3-3:1995+A1:2001, EN55022/1998+A1:2000+A2:2003, EN55024/1998+A1:2001+A2:2004.

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Information on Disposal for Users of Waste Electrical & Electronic Equipment (private households)



This symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.

For proper treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your local retailer upon the purchase of an equivalent new product.



Disposing of this product correctly will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate

waste handling. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union

This symbol is only valid in the European Union.

If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

Sales and Support Information

Customer Care Centre

- · For customers within the UK: 08705 357357
- For customers within the Republic of Ireland: 01 289 8333
- Visit our website for product information www.panasonic.co.uk
- E-mail: customer.care@panasonic.co.uk

Direct Sales at Panasonic UK

- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Care Centre Monday Thursday 9:00am 5:30pm, Friday 9:30am 5:30pm (Excluding public holidays).
- Or go on line through our Internet Accessory ordering application at www.panasonic.co.uk.
- · Most major credit and debit cards accepted.
- · All enquiries transactions and distribution facilities are provided directly by Panasonic UK Ltd.
- It couldn't be simpler!
- · Also available through our Internet is direct shopping for a wide range of finished products, take a browse on our website for further details.

Interested in purchasing an extended guarantee?

Please call 0870 240 6284 or visit www.panasonic.co.uk/guarantee.

Licence

Trademark Credits

- DVB is a trademark of the DVB Digital Video Broadcasting Project (1991 to 1996).
- VGA is a trademark of International Business Machines Corporation.
- Macintosh is a registered trademark of Apple Computer, USA.
- S-VGA is a registered trademark of the Video Electronics Standard Association.
 Even if no special notation has been made of company or product trademarks, these trademarks have been fully respected.
- HDMI, the HDMI Logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
- HDAVI Control[™] is a trademark of Matsushita Electric Industrial Co., Ltd.

Customer's Record

The model number and serial number of this product may 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

Panasonic (U. K.) Ltd.

Willoughby Road, Bracknell, Berks RG12 8FP Web Site: http://www.panasonic-europe.com

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