

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.

Panasonic[®]

**Operating Instructions
Plasma Television**

Model No. **TH-37PV7P
TH-42PV7P
TH-50PV7P**

VIERA



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 _____

Matsushita Electric Industrial Co., Ltd.

Web Site : <http://www.panasonic-europe.com>

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Printed in Czech Republic

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.

VIERA
Link



HD
ready

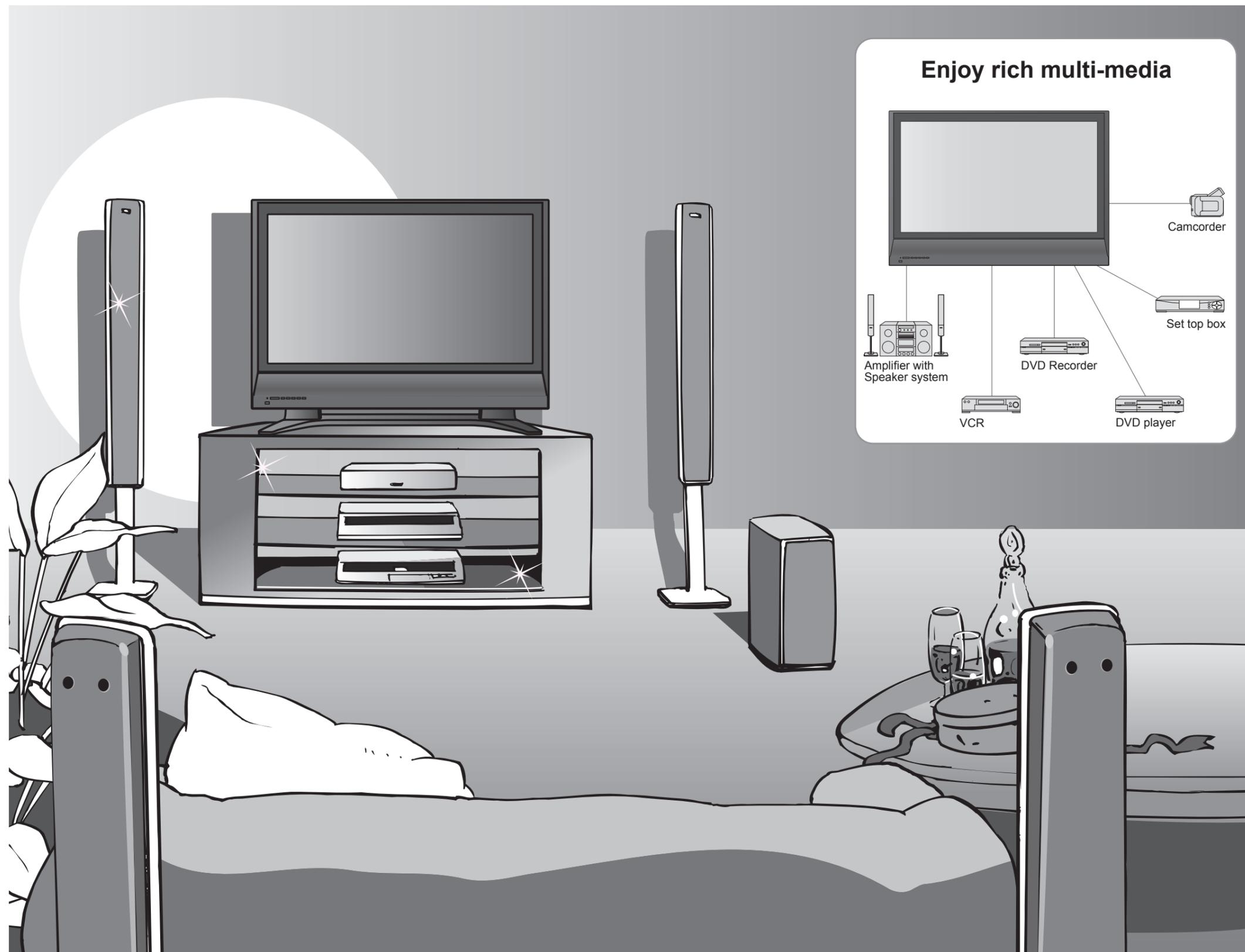
HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE



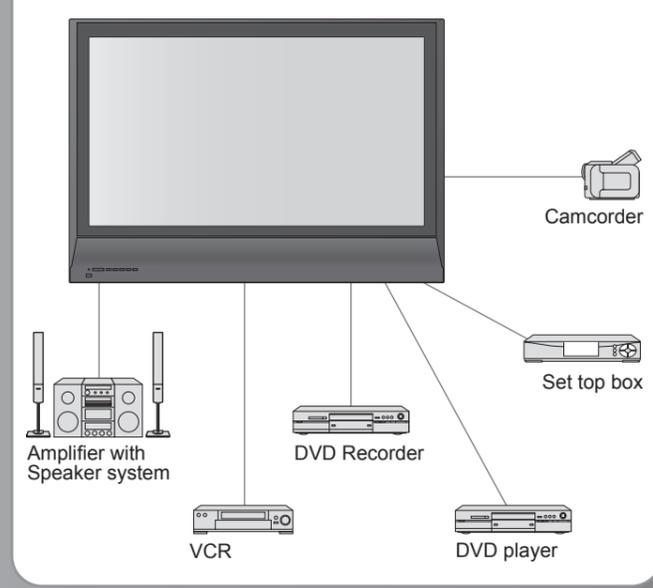
TQB0E0427U

Turn your own living room into a movie theatre!

Experience an amazing level of multi-media excitement



Enjoy rich multi-media



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Quick Start Guide

Viewing

Advanced

FAQs, etc.

Safety Precautions

Warning

Handling the mains plug and lead

- Insert the mains plug fully into the socket outlet. (If the mains plug is loose, it could generate heat and cause fire.)
- Ensure that the mains plug is easily accessible.
- Ensure the grounding pin on the mains plug is securely connected to prevent electrical shock.
 - An apparatus with CLASS I construction shall be connected to a mains socket outlet with a protective earthing connection.
- Do not touch the mains plug with a wet hand. (This may cause electrical shock.)
- Do not use any mains lead other than that provided with this TV. (This may cause fire or electrical shock.)
- Do not damage the mains lead. (A damaged lead may cause fire or electrical shock.)
 - Do not move the TV with the lead plugged in the socket outlet.
 - Do not place a heavy object on the lead or place the lead near a high-temperature object.
 - Do not twist the lead, bend it excessively, or stretch it.
 - Do not pull on the lead. Hold onto the mains plug body when disconnecting lead.
 - Do not use a damaged mains plug or socket outlet.

If you find any abnormality, remove the mains plug immediately!

AC 220-240 V
50 / 60 Hz



Do not remove covers NEVER modify the TV yourself

(High-voltage components may cause serious electrical shock.)

- Have the TV checked, adjusted, or repaired at your local Panasonic dealer.

Do not place foreign objects inside the TV

- Do not let metal or flammable objects drop into the TV through the air vents (fire or electrical shock may result).

Keep liquids away from the TV

- To prevent damage which may result in fire or shock hazard, do not expose this appliance to dripping or splashing.
- Do not place containers with water (flower vase, cups, cosmetics, etc.) above the TV. (including on shelves above, etc.)

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.

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 shaky, risking injury. Be sure to ask your local Panasonic dealer to perform setup.
- Use optional stands / mounts (p. 6).

Caution

When cleaning the TV, remove the mains plug

(Cleaning an energized TV may cause electrical shock.)

When TV will not be used for a long time, remove the mains plug

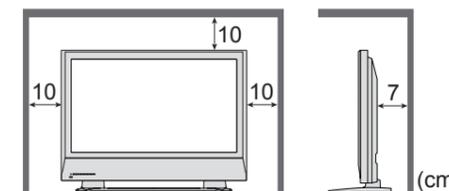
- This TV will still consume some power even in the Off mode, as long as the mains plug is still connected to a live socket outlet.

Transport only in upright position

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

Allow sufficient space around the TV for radiated heat

Minimum distance



Do not block the rear air vents

- Blocked ventilation by curtains, etc. may cause overheating, fire or electrical shock.



Notes

Do not display a still picture for a long time

This causes the image to remain on the plasma screen ("image retention"). This is not considered a malfunction and is not covered by the warranty.

Typical still images

- Channel number and other logos
- Image displayed in 4:3 mode
- Video game



To prevent image retention, contrast is lowered automatically after a few minutes if no signals are sent or no operations are performed. (p. 38)

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 near the TV (electromagnetic interference may distort images / sound).
- Equipment with an infrared sensor
This TV also emits infrared rays (this may affect operation of other equipment).

Maintenance

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 bug 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 bug 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

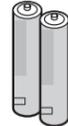
Standard accessories

Check that you have the accessories and items shown

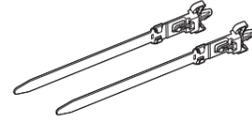
- Remote Control Transmitter
- EUR7651120



- Batteries for the Remote Control Transmitter (2)
- R6 (UM3)



- Clamper (2)



- Mains Lead



- Operating Instructions

- Pan European Guarantee Card

- Pedestal (ST-42H2-WK / ST-50H2-WK)

- TBLX0024 (TH-37PV7P, TH-42PV7P)

- TBLX0025 (TH-50PV7P)

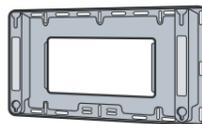


For installation → p. 7 and p. 8

Optional accessories

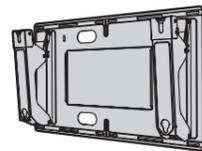
- Wall-hanging bracket (vertical)

- TY-WK42PV3W



(angle)

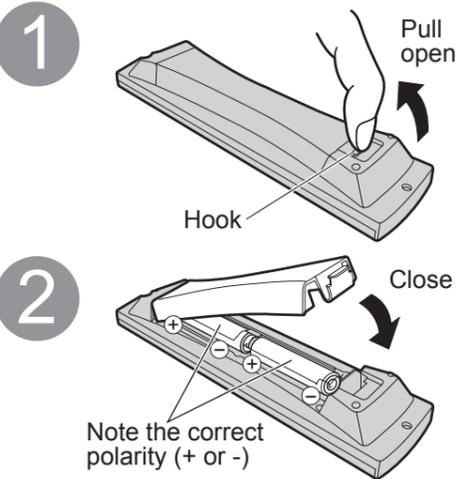
- TY-WK42PR2W
- TY-WK42PR3W



Caution

- In order to maintain the unit's performance and safety, be absolutely sure to ask your dealer or a licenced contractor to secure the wall-hanging brackets.
- Carefully read the instructions accompanying the plasma TV stand or pedestal, and be absolutely sure to take steps to prevent the TV from tipping over.
- Handle the TV carefully during installation since subjecting it to impact or other forces may cause product damage.

Installing remote's batteries

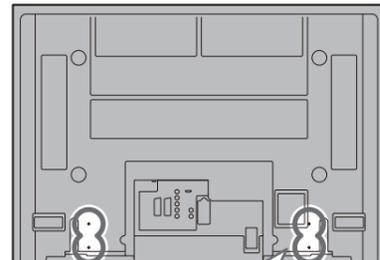


Caution

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

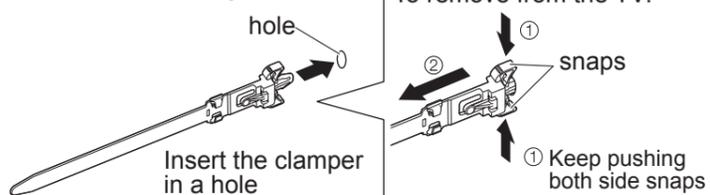
Using the clamper

Rear of the TV

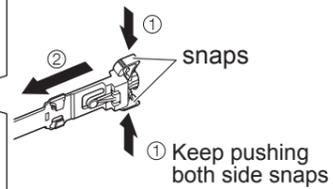


- Do not bundle the RF cable and mains lead together (could cause distorted image).
- Fix cables with clammers as necessary.
- When using the optional accessory, follow the option's assembly manual to fix cables.

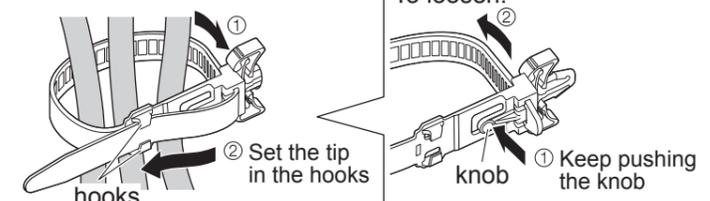
1. Attach the clamper



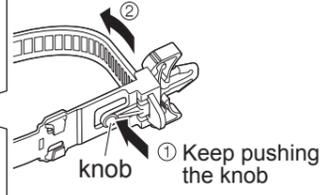
To remove from the TV:



2. Bundle the cables



To loosen:



Attaching the pedestal

Warning

Do not disassemble or modify the pedestal.

- Otherwise the TV may fall over and become damaged, and personal injury may result.

Caution

Do not use any other TV and displays.

- Otherwise the TV may fall over and become damaged, and personal injury may result.

Do not use the pedestal if it becomes warped or physically damaged.

- If you use the pedestal while it is physically damaged, personal injury may result. Contact your nearest Panasonic Dealer immediately.

During set-up, make sure that all screws are securely tightened.

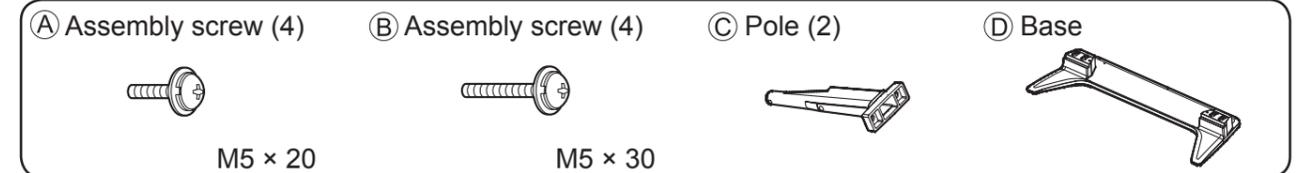
- If sufficient care is not taken to ensure screws are properly tightened during assembly, the pedestal will not be strong enough to support the TV, and it might fall over and become damaged, and personal injury may result.

Use the accessory fall-prevention brackets to secure the TV.

- If the TV is knocked or children climb onto the pedestal with the TV installed, the TV may fall over and personal injury may result.

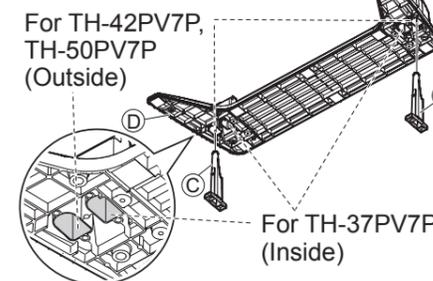
Two or more people are required to install and remove the TV.

- If two or more people are not present, the TV may be dropped, and personal injury may result.



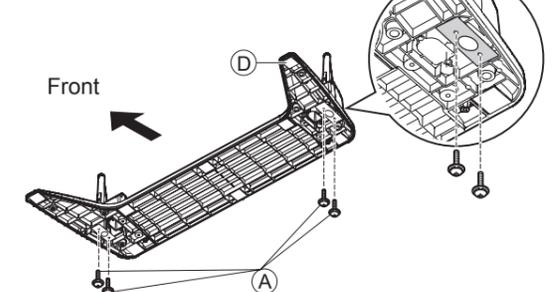
Assembling the pedestal

Installing the poles



Insert the poles into the left and right holes in the underside of the base so that they fit securely as shown in the illustration above.

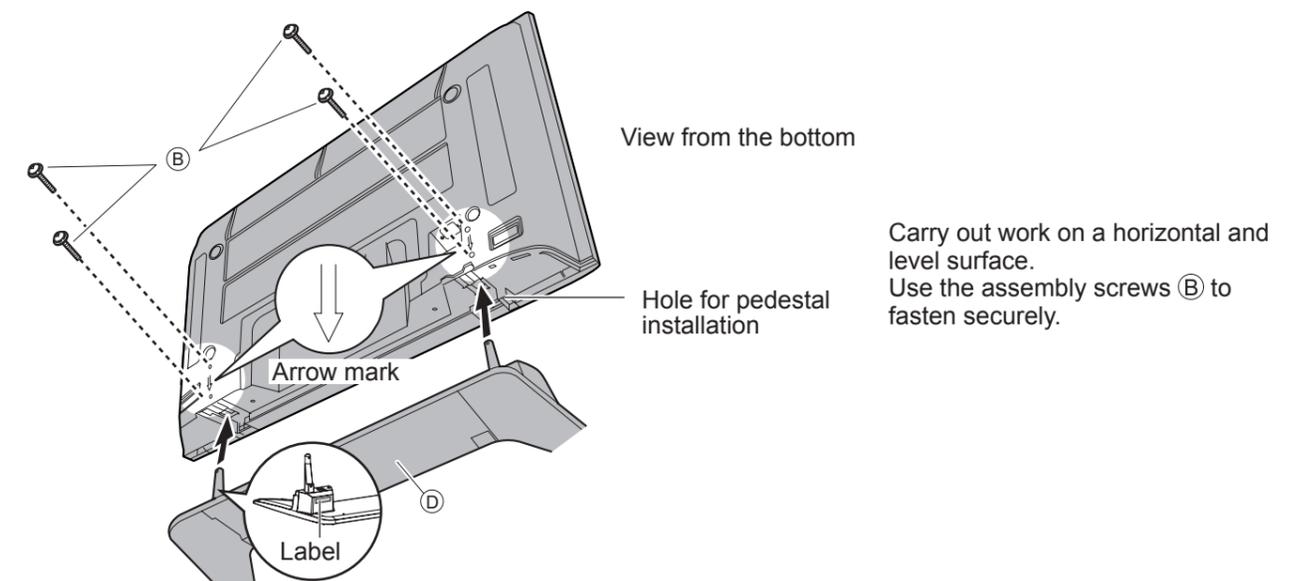
Securing the poles



Use the assembly screws (A) to secure the poles firmly to the bottom of the base.

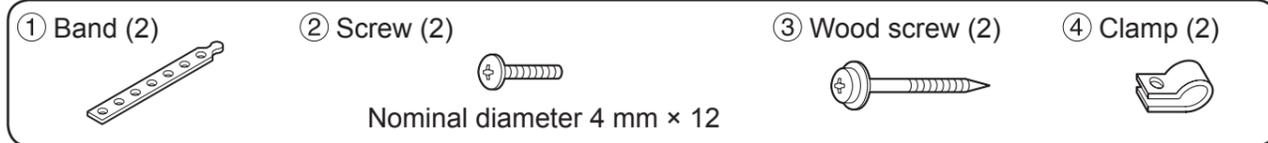
- Forcing the assembly screws the wrong way will strip the threads.

Securing the TV



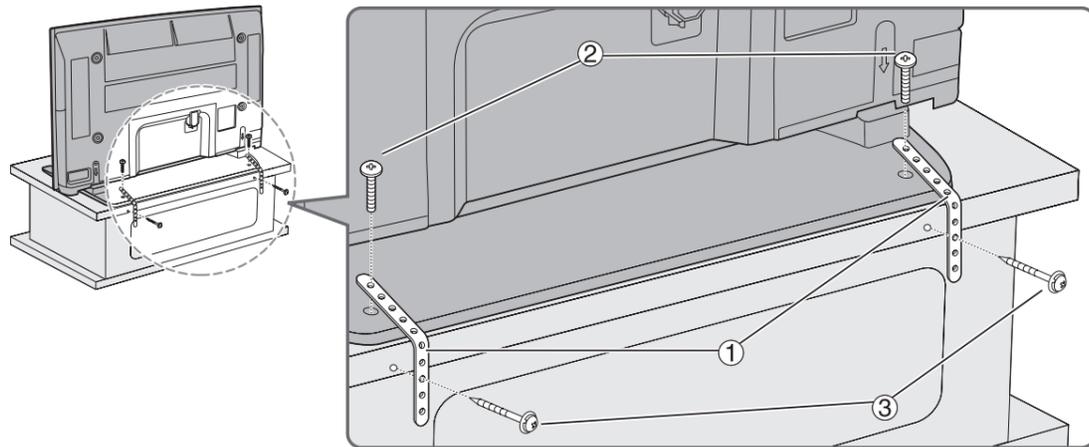
Attaching the pedestal

The TV must be fastened to both a base and a wall.



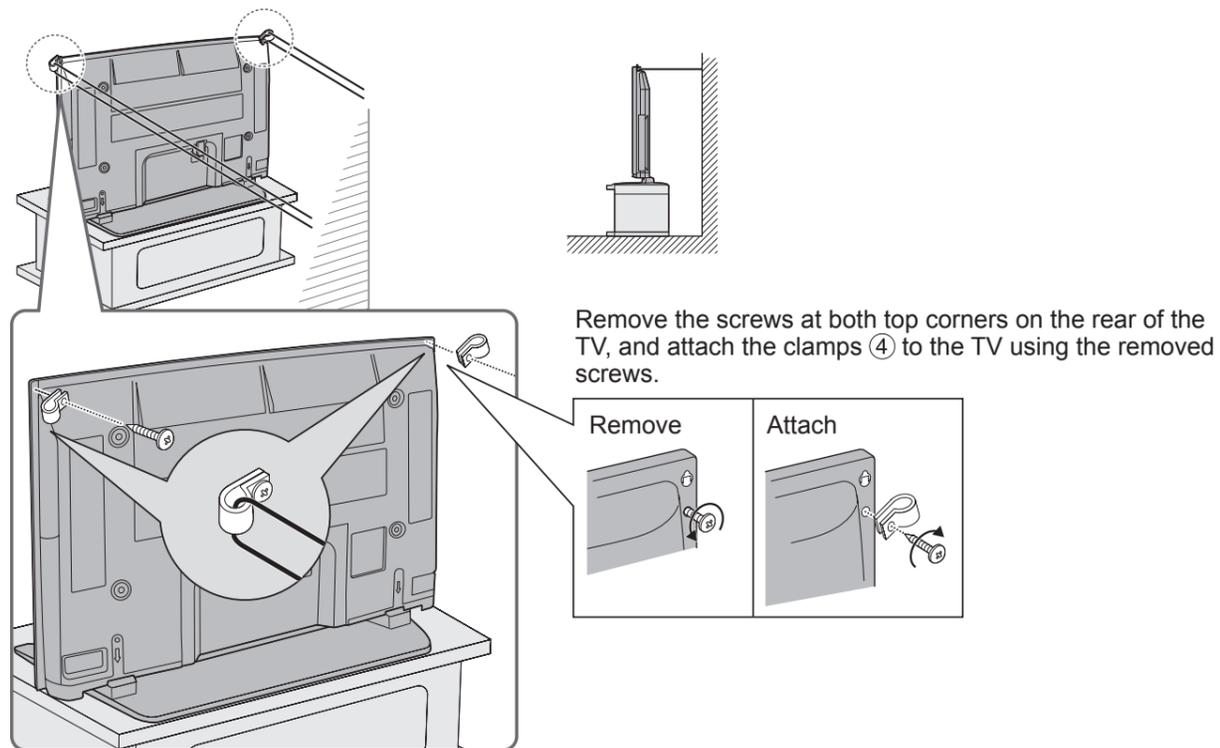
■ Securing to a base

Fix pedestal and base together with band.

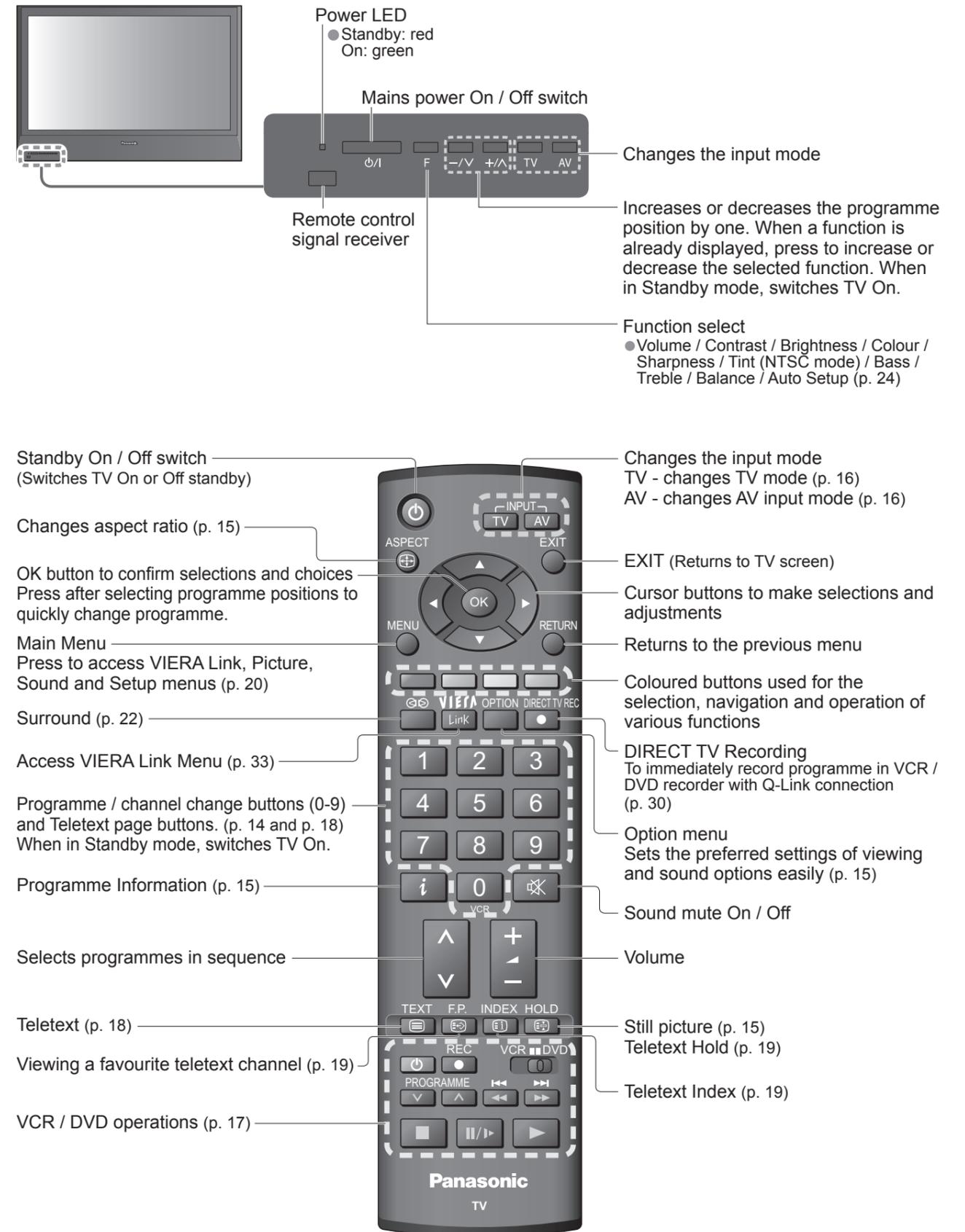


■ Securing to a wall

Fix to wall or post with strong commercial wire or chain.



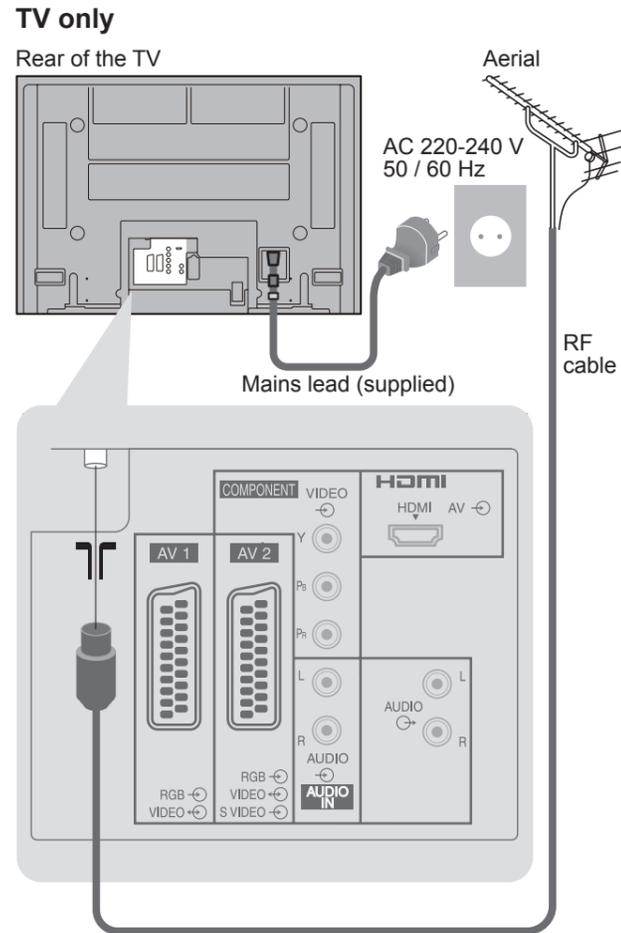
Identifying Controls



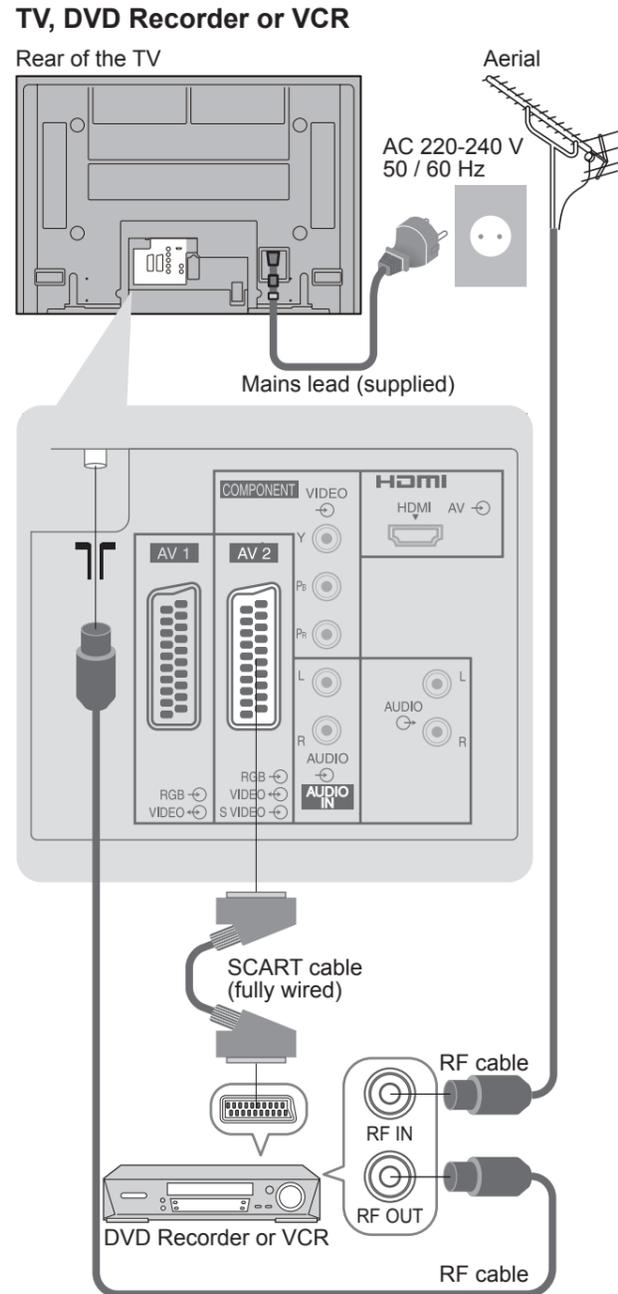
Basic Connection

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.
When disconnecting the mains lead, be absolutely sure to disconnect the mains plug at the socket outlet first.

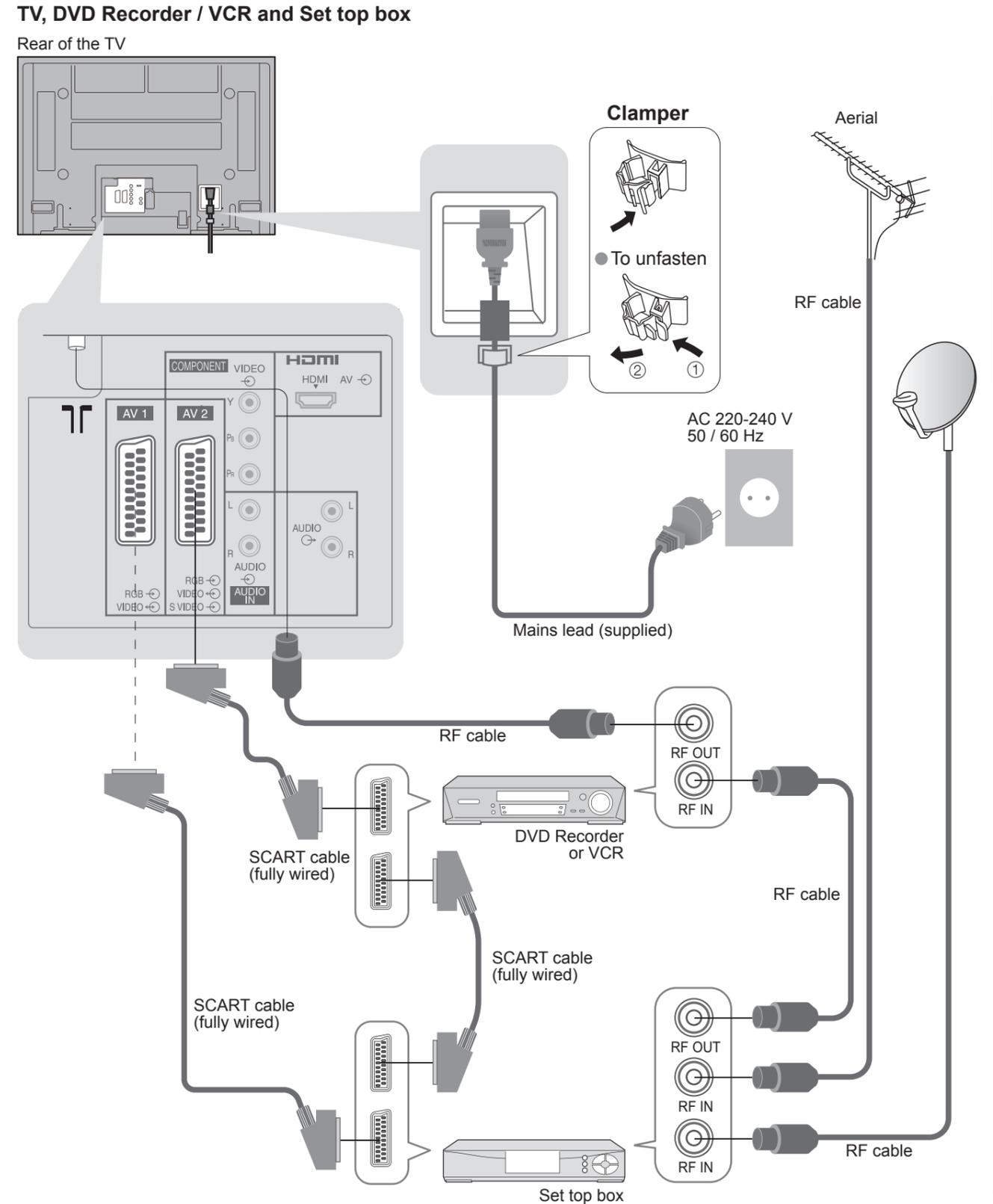
Example 1 Connecting aerial



Example 2 Connecting DVD Recorder / VCR



Example 3 Connecting DVD Recorder / VCR and Set top box



Note

- Connect to AV1 / 2 for a DVD Recorder / VCR supporting Q-Link (p. 30).

Auto Setup

Search and store TV channels automatically.
These steps are not necessary if the setup has been completed by your local dealer.

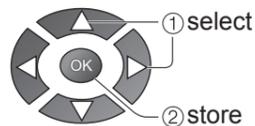
1 Plug the TV into mains socket and switch On (Takes a few seconds to be displayed)



- You can now use the remote control to turn On the TV or turn the TV to standby mode. (Power LED: On)

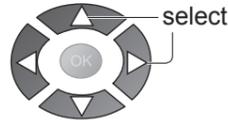
2 Select the language

Menüsprache		
Deutsch	Español	Nederlands
English	Norsk	Suomi
Français	Dansk	Türkçe
Italiano	Svenska	Português
Ελληνικά	Magyar	Hrvatski
čeština	Български	Română
Slovenščina	Slovenščina	Polski
Srpski		

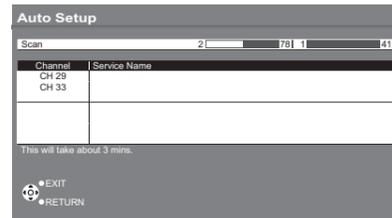


3 Select your country

Country		
Germany	Denmark	Poland
Austria	Sweden	Czech
France	Norway	Hungary
Italy	Finland	Ireland
Spain	Belgium	E.U.
Portugal	Switzerland	
Netherlands	Greece	



4 Start Auto Setup

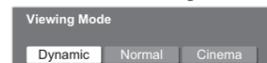


- Auto Setup will start to search for TV channels and store them. The sorted programme order depends upon the TV signal, the broadcasting system and reception conditions.

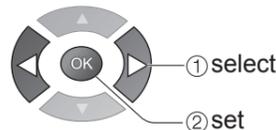


- If a compatible recording equipment with Q-Link or similar technologies (p. 30) is connected, channel information is automatically downloaded to the equipment.

5 Select the picture setting



- Also possible to change the setting in Picture Menu (p. 22)



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



- To edit channels
 - Editing and Setting Channels (p. 24)



Using the On Screen Displays

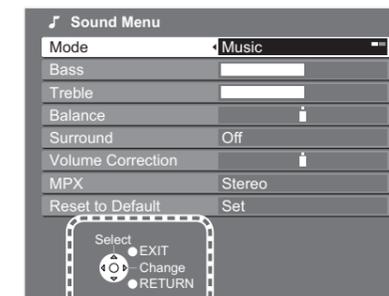
Many features available on this TV can be accessed via the On Screen Display menu.

How to use remote control

- MENU** Open the main menu
- Directional Pad** Move the cursor / select the menu
- Directional Pad** Move the cursor / adjust levels / select from a range of options
- OK** Access the menu / store settings after adjustments have been made or options have been set
- RETURN** Return to the previous menu
- EXIT** Exit the menu system and return to the normal viewing screen

ON SCREEN HELP Instructions box

(example: Sound Menu)



On-screen operation guide will help you.

Note

- If tuning has failed → "Auto Setup" (p. 24).
- If downloading has 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

1 Turn power on
 (Press for about 1 second)
 ● Mains power On / Off switch should be On.

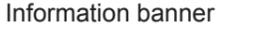


2 Select a channel

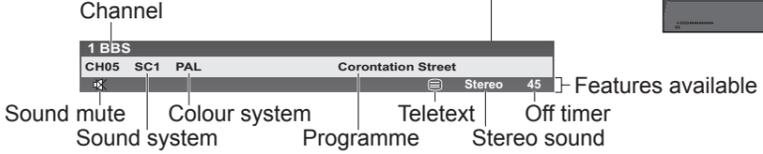
▲ up or 1 2 3
 ▼ down or 4 5 6
 7 8 9
 0

● To select the two-digit programme number, e.g. 39
 → 3 → 9 (in a short time)

Information banner


Other useful functions (Operate after 2)

Hold	<p>Freeze / unfreeze picture </p>
Display the current programme status	<p>Check or change the current programme status instantly </p> <ul style="list-style-type: none"> ● To change →  ② change ① select Teletext Language → Selects teletext language MPX → Sound Menu (p. 22) Volume Correction → Adjusts volume of individual channel or input mode <p>Note ● Also possible to change the settings in Menu list (p. 22 and p. 23).</p>
Display information banner	<p>Display programme information </p>  <ul style="list-style-type: none"> ● To select another channel →  →  ● To hide →  ● To set display timeout → "Banner Display Timeout" (p. 23) ● Appears also when changing channel. ● Programme information is referred to teletext signal.
Change aspect ratio	<p>Change the aspect ratio (p. 36) </p> <p>Enjoy viewing the picture at its optimum size and aspect.</p>  <ul style="list-style-type: none"> ● To change the mode → Display Aspect Selection list  → During the list is displayed, select the mode  → Store  ● To change the mode using the ASPECT button only →  (Press repeatedly until you reach the desired mode)

Watching Videos and DVDs

Connect the external equipment (VCRs, DVD equipment, etc.) and you can watch the input.
To connect the equipment (p. 10 and p. 11)
The Remote Control is capable of operating some functions of selected Panasonic external equipment.

1 Turn the TV on

- **When connecting with SCART as example 2 or 3** (p. 10 and p. 11)
 - ➔ Receives input signals automatically when playback starts
 - Input signals are automatically identified by the SCART (pin 8) terminal.
 - This function is also available for HDMI connections (p. 33).
- **If input mode is not switched automatically**
 - ➔ Perform ② and ③
 - Dependant on the setup of the equipment

2 Display the Input select menu

3 Select the input mode connected to the equipment

Input Selection

- AV1
- AV2/AV2S
- COMPONENT
- HDMI
- TV

● You can also select the input using the AV button on the remote control or the front panel of the TV.
Press the button repeatedly until the desired input is selected.

● You can label or skip each input modes ➔ "Input Labels" (p. 28)

4 View
Displays the selected mode

AV2

■ **To return to TV**
➔ TV

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.

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

	VCR / DVD switch* Select VCR to operate Panasonic VCR or DVD equipment Select DVD to operate Panasonic DVD equipment or Player home theatre
	Standby Set to Standby mode / Turn on
	Play Playback videocassette / DVD
	Stop Stop the operations
	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 Up / Down Select programme
	Record Start recording

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

- ① Set the VCR / DVD switch to the appropriate position ➔
- ② Press and hold during the following operations
Enter the appropriate code for the equipment 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 teletext broadcasting, including news, weather forecasts and subtitles, if this service is provided by the broadcasters.

What is FLOF (FASTEXT) mode?

In FLOF 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. 19)

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

1 Switch to Teletext
 TEXT ● Displays Index (content varies depending on the broadcasters)

2 Select the page
 1 2 3
 4 5 6
 7 8 9
 0
 or up/down arrows or red green yellow blue (Corresponds to the colour bar)

■ **To adjust contrast** → MENU → OK

■ **To return to TV** → TEXT

Sub page number: << 01 02 03 04 05 06 07 >>
 Current page number: **P100** 17:51 28 Feb Time / date
 TELETEXT INFORMATION
 Colour bar

■ Using teletext conveniently

Reveal hidden data
 MENU → red ● Re-hide → red

FULL / TOP / BOTTOM
 MENU → green

(TOP) P100 Broadcast
 (BOTTOM) P100 Broadcast
 Normal (FULL) P100 Broadcast

(Expand the TOP half) (Expand the BOTTOM half)

HOLD
 If you wish to hold the current page without updating
Stop or resume automatic updating
 HOLD ■ To resume → HOLD

INDEX
 INDEX
 INDEX

Call up a favourite pages
 F.P. ● Call up the page stored in "blue".
 ● Factory setting is "P103".

View in multi window
 MENU (Press twice) → OK ● Select Picture and text On or Off
 ● Operations can be made only in Teletext screen.

Store frequently viewed pages in the colour bar (List mode only)
 As page is displayed → Corresponding colour button → OK press and hold → P100 Broadcast
 The number changes to white.

■ **To change stored pages**
 Colour button you want to change → Enter new page number (1-9, 0) → OK press and hold

View sub page (Only when teletext is more than one page)
 OK → <<01 02 03 04 05 >> Appears at upper-left corner of the screen

View sub page
 MENU → blue → T**** Broadcast → Enter the 4-digit number example: P6 → T0006
 ● Sub pages: The number of sub pages varies depending on the broadcasters (up to 79 pages). It may take some time for searching, during which time you can watch TV.

Watch TV while waiting for update
 MENU → yellow → P108 Broadcast → Appears when updating is completed → yellow → View the updated page
 (You cannot change the channel.)
 ● The news page provides a function that indicates arrival of latest news ("News Flash").

How to Use Menu Functions

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

- 1 Display the menu**
 MENU ● Displays the functions that can be set (varies according to the input signal)
- 2 Select the menu**
 (example: Picture Menu)
 ● access
 ○ select
- 3 Select the item**
 (example: Picture Menu)
 ○ select
- 4 Adjust or select**
 (example: Picture Menu)
 ○ change
 ● store or access (Required by some functions)

■ To return to TV at any time



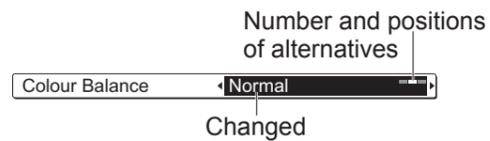
■ To return to the previous screen



Note

- To initialize all settings
 ➔ "Shipping Condition" (p. 27)

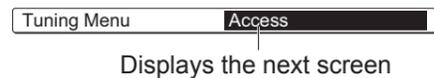
■ Choose from among alternatives



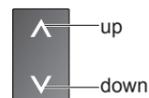
■ Adjust using the slide bar



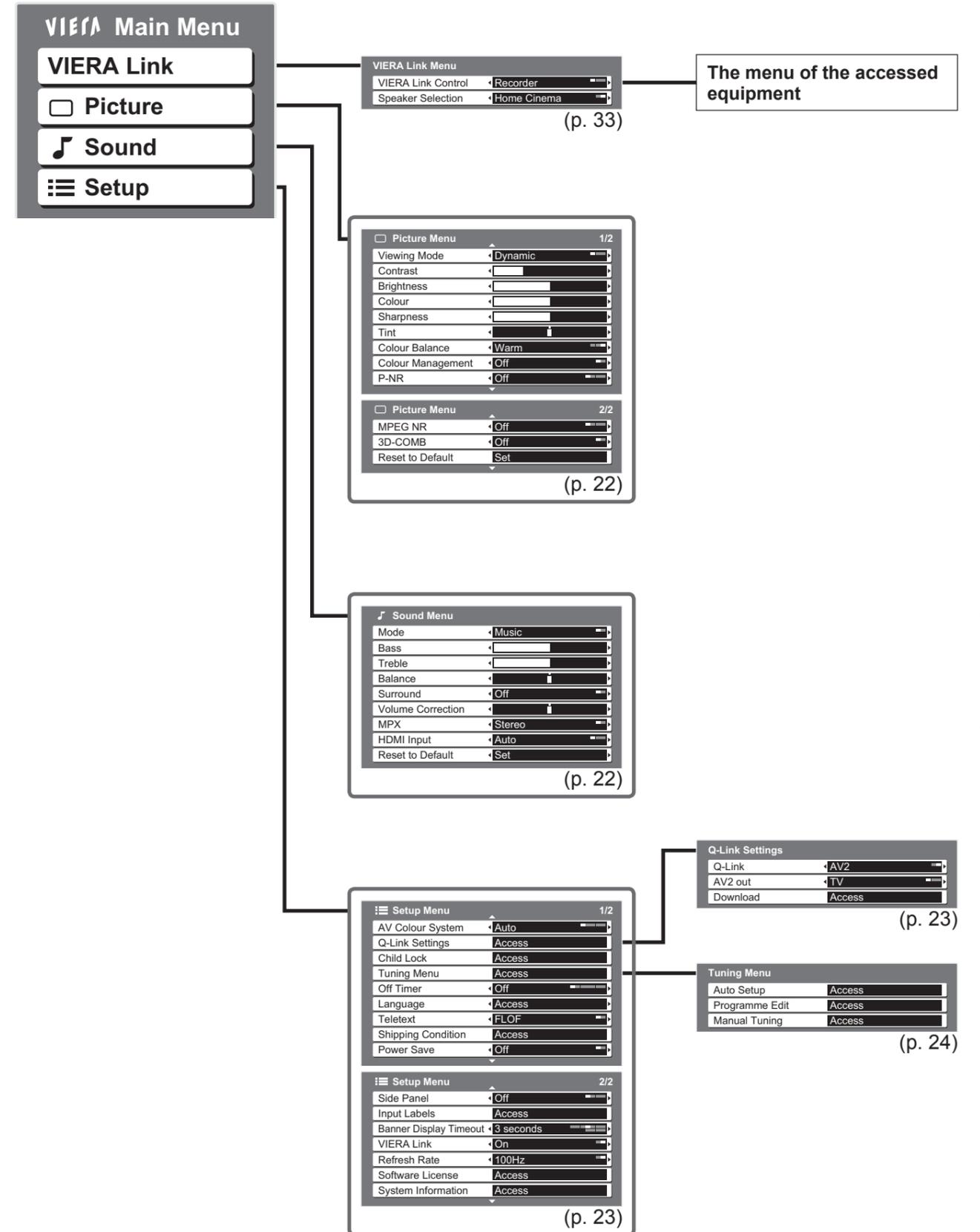
■ Go to the next screen



■ To change menu pages



Overview



● Only available items can be selected.

● How to Use Menu Functions (picture, sound quality, etc.)

Advanced

How to Use Menu Functions

■ Menu list

Menu	Item	Adjustments / Configurations (alternatives)
VIERA Link	VIERA Link Control	Controls the connected Panasonic equipment "Easy control only with VIERA remote control" (p. 33) "Speaker control" (p. 33)
	Speaker Selection	● You can also access VIERA Link Menu directly using the VIERA Link button on the remote control.
Picture	Viewing Mode	Basic picture mode (Dynamic / Normal / Cinema) ● Set for each input signal
	Contrast, Brightness, Colour, Sharpness	Adjusts colour, brightness, etc. for each picture mode to suit your taste
	Tint	Adjusts tint of image ● For NTSC signal reception only
	Colour Balance	Chooses the colour balance of the entire image (Cool / Normal / Warm)
	Colour Management	Automatically adjusts colours to vivid ones (Off / On)
	P-NR	Picture Noise Reduction Automatically reduces unwanted picture noise (Off / Normal / Dynamic / Auto) ● Not valid on HDMI
	MPEG NR	Automatically reduces noise for watching DTV, DVD and VCD (Off / Min / Mid / Max)
	3D-COMB	Automatically makes still pictures and slow pictures look more vivid (Off / On) ● For PAL or NTSC signal reception only ● Not valid on RGB, S-Video, components and HDMI
	Reset to Default	Press the OK button to reset the present Picture Mode to the default settings
	Sound	Mode
Bass		Adjusts the output level of deep bass
Treble		Adjusts the output level of high-pitch, shrill sound
Balance		Adjusts volume level of right and left speakers
Surround		Surround sound settings (Off / On) Provides a dynamic enhancer to simulate improved spatial effects ● Switching is also possible by the Surround button on the remote control (p. 9)
Volume Correction		Adjusts volume of individual channel or input mode
MPX		Select stereo / monaural (Mono / Stereo) ● Normally: Stereo ● Stereo signal cannot be received: Mono ● M1 / M2: Available while mono signal is transmitted
HDMI Input		Select to fit the input signal (Auto / Digital / Analogue) (p. 31) Auto : Automatic detection of digital or analogue sound source Digital : HDMI cable connection Analogue : HDMI-DVI adapter cable connection ● HDMI input mode only
Reset to Default		Press the OK button to reset the present Sound Mode to the default settings

■ Menu list

Menu	Item	Adjustments / Configurations (alternatives)	
Setup	AV Colour System	Selects optional colour system based on video signals in AV mode (Auto / PAL / SECAM / M.NTSC / NTSC)	
	Q-Link Settings	Q-Link	Selects which AV terminal is to be used for data communication between this TV and a compatible recording equipment (AV1 / AV2) (p. 30)
		AV1 / AV2 out	Chooses the signal to be transmitted from the TV to Q-Link (TV / AV1 / AV2 / Monitor) ● Monitor: Image displayed on screen ● Component and HDMI signals cannot be outputted
		Download	Downloads channel information to a Q-Link compatible equipment connected to the TV
	Child Lock	Locks a programme channel to prevent access to it (p. 26)	
	Tuning Menu	Auto Setup	Automatically sets the channels received in the area (p. 24)
		Programme Edit	Edits channels (p. 25)
		Manual Tuning	Sets the channels manually (p. 25)
	Off Timer	Sets the time the TV automatically turns Off (Off / 15 / 30 / 45 / 60 / 75 / 90 minutes)	
	Language	OSD Language	Changes language for on-screen displays
Teletext Language		Selects teletext language (West / East1 / East2) ● West: English, French, German, Greek, Italian, Spanish, Swedish, Turkish ● East1: Czech, English, Estonian, Lettish, Rumanian, Russian, Ukrainian ● East2: Czech, Hungarian, Lettish, Polish, Rumanian	
Teletext	Teletext display mode (FLOF / List) (p. 18)		
Shipping Condition	Resets all settings, for example, when moving house (p. 27)		
Power Save	Reduces brightness of picture to economise on power consumption (Off / On)		
Side Panel	Increases the brightness of the side panel (Off / Low / Mid / High) ● The recommended setting is "High" to prevent panel "image retention"		
Input Labels	Labels or skips each input terminals (p. 28)		
Banner Display Timeout	Sets how long the information banner (p. 15) stays on screen ● 0 (No display) to 10 sec. in 1-sec. increments		
VIERA Link	Sets to use VIERA Link functions (Off / On) (p. 32)		
Refresh Rate	Changes the image processing of the panel (depending on the input signal) (50Hz / 100Hz) ● Set to "100Hz" normally		
Software License	Displays the software licence information		
System Information	Displays the system information of this TV		

● Only available items can be selected.

Editing and Setting Channels

The current channel settings can be changed according to your needs and reception conditions.

1 Display the menu
MENU

2 Select "Setup"
VIERA Main Menu
VIERA Link
Picture
Sound
Setup

3 Select "Tuning Menu"
Setup Menu 1/2
Q-Link Settings
Child Lock
Tuning Menu Access
Off Timer Off
Language
Teletext FLOF
Shipping Condition
Power Save Off
Side Panel Off

4 Select a function
Tuning Menu
Auto Setup Access
Programme Edit Access
Manual Tuning Access

5 Set

■ To return to TV
EXIT

Automatically set the channels received in the area.
If a Child Lock PIN number (p. 26) has been set, it must be entered.

Start Auto Setup Settings are made automatically



- All previous settings are erased.
- The settings are downloaded to a Q-Link compatible equipment connected to the TV.
- When the operation is completed, the broadcast of programme number "1" will appear.
- If tuning has not done completely → "Manual Tuning"

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

- ① Press repeatedly until "Auto Setup" appears
F
- ② Access "Auto Setup"
TV
- ③ Start "Auto Setup"
TV

■ To return to TV → F



Set channels automatically
Auto Setup

Edit channels

Programme Edit

- Delete
- Add
- Move
- Change name
- Change sound system
- Change colour system

Edit the programme position settings

① Select the channel to edit

Prog.	Chan.	Name	Sound Sys.	Colour Sys.
1	CH33	1 2 3	SC1	Auto
2	CH21	X Y Z	SC1	Auto
3	CH21	F T P	SC1	Auto
4	CH60		SC1	Auto
5	CH21	4 5 6	SC1	Auto



select

Name

Channel

3	F T P	Coronation Street
CH05	SC1	PAL

Cursor

② Edit

■ To delete → red
→ After confirming, press red

■ To add → green
→ After confirming, press green

■ To move → yellow
→ Select new position → yellow

■ To change the name of the broadcaster displayed when selecting channels

Prog.	Chan.	Name	Sound Sys.	Colour Sys.
1	CH33	1 2 3	SC1	Auto
2	CH21	X Y Z	SC1	Auto
3	CH21	F T P	SC1	Auto
4	CH60		SC1	Auto
5	CH21	4 5 6	SC1	Auto



Select the "Name" field



Enter the "User input" mode



Select the character



Set (Maximum: five characters)



Store

■ To change sound system based on signals

Prog.	Chan.	Name	Sound Sys.	Colour Sys.
1	CH33	1 2 3	SC1	Auto
2	CH21	X Y Z	SC1	Auto
3	CH21	F T P	SC1	Auto
4	CH60		SC1	Auto
5	CH21	4 5 6	SC1	Auto



Select the "Sound Sys." field



Select sound system

SC1 :	PAL B, G, H / SECAM B, G
SC2 :	PAL I
SC3 :	PAL D, K / SECAM D, K
F :	SECAM L / L'

■ To change colour system based on signal

● Normally, select "Auto"

Prog.	Chan.	Name	Sound Sys.	Colour Sys.
1	CH33	1 2 3	SC1	Auto
2	CH21	X Y Z	SC1	Auto
3	CH21	F T P	SC1	Auto
4	CH60		SC1	Auto
5	CH21	4 5 6	SC1	Auto



Select the "Colour Sys." field



Select colour system

Set channels manually
Manual Tuning

■ Fine Tuning

Use to make small adjustments to the tuning of an individual channel (affected by weather conditions, etc.)

■ Manual Tuning

Set channel manually after Auto Setup.

If a VCR is connected with only the RF cable, select programme position "0".

Manual Tuning	Programme	1	[CH33]
Fine Tuning			
Manual Tuning	2	78	41

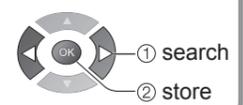
Select the programme position



Select the channel



Search and store



Control Channel Audience

You can lock specific channels and control who watches them. (When a channel is selected, a message appears; by entering the PIN number, you can watch the channel.)

1 Display the menu
MENU

2 Select "Setup"
VIERA Main Menu
VIERA Link
Picture
Sound
Setup

3 Select "Child Lock"
Setup Menu 1/2
Q-Link Settings
Child Lock Access
Tuning Menu
Off Timer Off
Language
Teletext FLOF
Shipping Condition
Power Save Off
Side Panel Off

4 Set
EXIT

Control channel audience
Child Lock

1 Enter the PIN number (4 digits)
Child Lock-PIN Entry
Please enter new PIN
PIN

2 Select "Service List"
Child Lock
Change PIN
Service List Access

3 Select the channel to be locked
Child Lock Service List
Service Name Lock
1 BBC
7 THREE
14 E4
70 CBBC
72 Nrk
80 BBC
85 Radio
90 Cymru

● Enter the PIN number twice at first setting.
● Make a note of the PIN number in case you forget it.

● To cancel
➔ Select the locked channel
➔ OK

● To lock all channels ➔ yellow

● To cancel all channel locks ➔ blue

Appears when the channel is locked

To change the PIN number
Select "Change PIN" in 2 and enter a new PIN number twice.

Note
● Setting "Shipping Condition" (p. 27) erases the PIN number and all settings.

Restore Settings

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

1 Display the menu
MENU

2 Select "Setup"
VIERA Main Menu
VIERA Link
Picture
Sound
Setup

3 Select "Shipping Condition"
Setup Menu 1/2
Q-Link Settings
Child Lock
Tuning Menu
Off Timer Off
Language
Teletext FLOF
Shipping Condition Access
Power Save Off
Side Panel Off

4 Set
EXIT

Restore Settings
Shipping Condition

1 Check the message and initialise
Shipping Condition
All tuning data will be erased
Are you sure?
Are you sure?
Confirm
EXIT
RETURN

2 Follow the on-screen instructions
● "Auto Setup" will automatically start. (p. 12)

To re-tune TV channels only, e.g. after moving house
➔ "Auto Setup" (p. 24)

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)

- 1 Display the menu**
MENU
- 2 Select "Setup"**
Main Menu
VIERA Link
Picture
Sound
Setup
- 3 Select "Input Labels"**
Setup Menu 2/2
Input Labels Access
Banner Display Timeout 3 seconds
VIERA Link On
Refresh Rate 100Hz
Software License
System Information
- 4 Select a input terminal and set**
Input Labels
AV1 DVD
AV2/AV2S AV2/AV2S
COMPONENT COMPONENT
HDMI HDMI

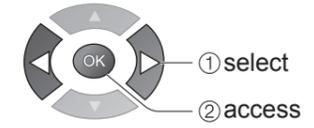
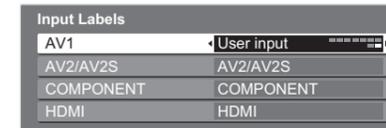
■ To return to TV
EXIT

The labels you set will be displayed in "Input Selection" menu (p. 16) or banner.

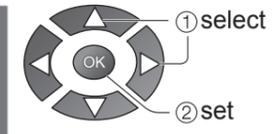
- If "Skip" is selected, you cannot select the mode.
- How to set "User input" → p. 29

You can name each input terminals freely.

① Select "User input"



② Set characters



(maximum: ten characters)

③ Store



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. 34)
- Q-Link terminal setup in Setup menu (Q-Link, AV1 / AV2 out). (p. 23)

Download channel settings

- Perform Auto Setup. (p. 24)
When first using this TV, see "Auto Setup". (p. 12)
- Perform download to the equipment. (p. 23)

Features available

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

What you see is What you record



Direct TV Recording:

Recording the current programme in VCR / DVD recorder immediately.

- When Direct TV Recording is performed, the recording equipment is automatically turned on if it is in Standby mode.
- The recording equipment is recording from its own tuner. You can turn the TV off during recording.
- If you turn the TV off during recording from an AV source, the recording will be stopped.

Information / Message

Recording information or if recording is not possible, a message is displayed. (Only when the programme number is "0" or "AV mode" for some equipment.)

Power on link and Easy playback

When VCR or DVD recorder starts playback or direct navigator / function menu for the equipment are activated, the TV is turned on and input mode is switched automatically so that you can view the content. (Only when TV is in Standby mode.)

Power off link

When TV is set to Standby mode, the recording equipment is also automatically set to Standby. (Only when the videocassette or DVD is not active.)

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

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. 34).

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 HDMI 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 (use COMPONENT-AUDIO terminals).
- Audio settings can be made on the "HDMI Input" menu screen. (p. 22)
- Applicable audio signal sampling frequencies (2ch L.PCM): 48 kHz, 44.1 kHz, 32 kHz
- Use with a PC is not assumed.
- If the connected equipment has an aspect adjustment function, set the aspect ratio to "16:9".
- This HDMI connector is "type A".
- This HDMI connector is 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. 37.

(*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. 32). You can use VIERA Link and Q-Link functions together.

Function	Connection	VIERA Link and Q-Link (HDMI)	VIERA Link only (HDMI)	Q-Link only (SCART)
Easy playback		○	○	○
Power on link		○	○	○
Power off link		○	○	○
Speaker control		○ (not via SCART)	○	-
Easy control only with VIERA remote control		○ (not via SCART)	○	-
Direct TV Recording		○ (not via HDMI)	-	○
Channel download		○ (not via HDMI)	-	○

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. 33)
- Power on link (p. 33)
- Power off link (p. 33)
- Speaker control (p. 33)

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

- Easy control only with VIERA remote control (p. 33)

These features are limited to models incorporating Panasonic's "HDAVI Control" and "VIERA Link". VIERA Link "HDAVI Control", based on the control functions provided by HDMI which is an industry standard known as HDMI CEC (Consumer Electronics Control), is a unique function that we have developed and added. As such, its operation with other manufacturers' equipment that supports HDMI CEC cannot be guaranteed.

Refer to individual manuals for compatibility information. About applicable equipment, consult your local Panasonic dealer.

■ 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. 35). 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 HDMI (p. 16), and make sure that an image is displayed correctly.

- 1 Display the menu**
Press the MENU button.
- 2 Select "Setup"**
Use the directional keys to navigate to the VIERA Main Menu, then select Setup.
- 3 Select "VIERA Link"**
Use the directional keys to navigate to the Setup Menu, then select VIERA Link.
- 4 Set to "On" (default is On)**
Use the directional keys to set VIERA Link to On.

Easy control only with VIERA remote control

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. 32).

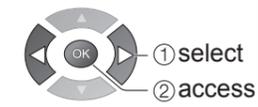
Access the menu of the equipment

① Display "VIERA Link Menu" →

② Select "VIERA Link Control"



③ Select the equipment you want to access



④ Operate the menu of the equipment

- Example:



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

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

	Move the cursor / select the menu
	Move the cursor / access / adjust
	Store / Set / Access
	Return to the previous menu
	Exit the menu
	The same functions with the OPTION button of the equipment
	Access when the key words are displayed on colour bar

Easy playback

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.

Speaker control

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. 32).

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 →

Mute →

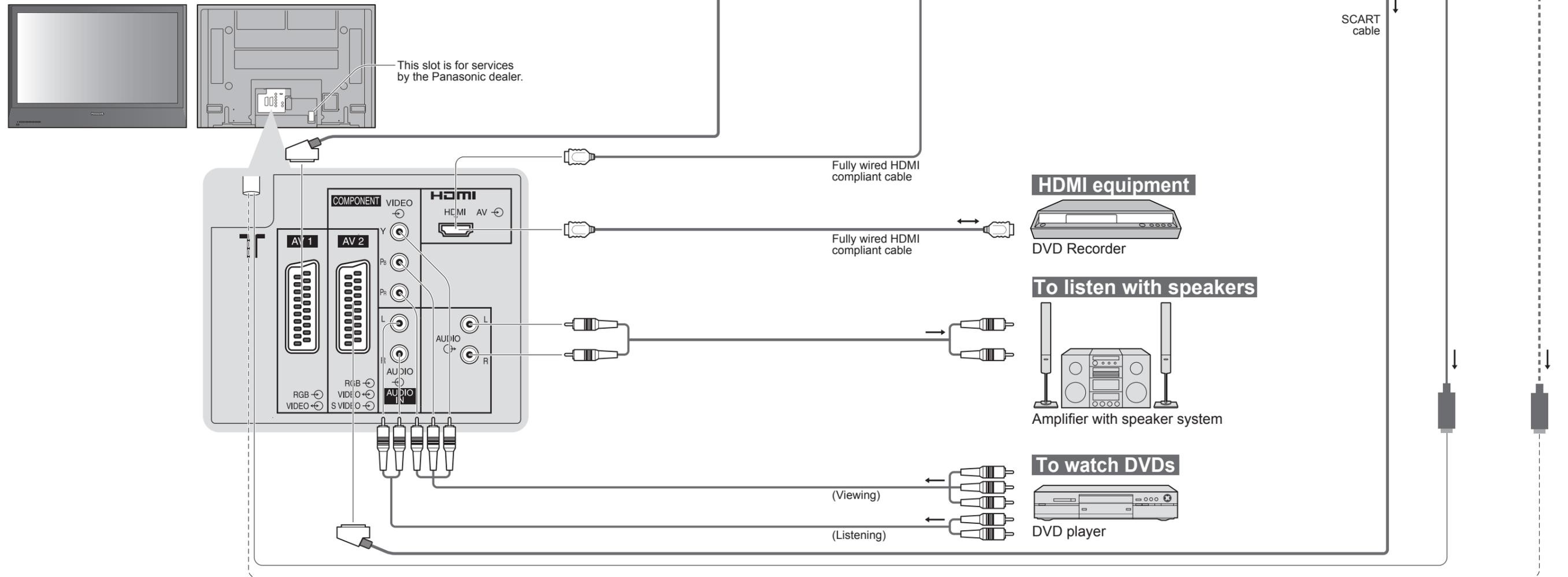
- The sound of TV speakers is mute.
- When the equipment is turned off, TV speakers will be active.

■ TV

TV speakers are active.

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. 39).



Types of connectable equipment to each connector

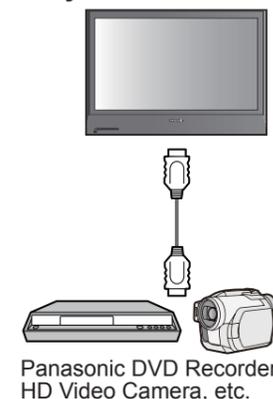
Connector	AV1	AV2	COMPONENT Y Pb Pr L R	AUDIO OUT L R	HDMI
Recording / Playback (equipment)					
■ To record / playback videocassettes / DVDs (VCR / DVD recorder)	○	○			
■ To watch DVDs (DVD player)	○	○	○		○
■ To watch camcorder images (Video camera)	○	○			○
■ To watch satellite broadcasts (Set top box)	○	○			○
■ To play games (Game equipment)	○	○			
■ To use amplifier with speaker system				○	
■ Q-Link	○	○			
■ Direct TV Recording	○	○			
■ VIERA Link					○

○: Recommended Connection

VIERA Link (p. 32)

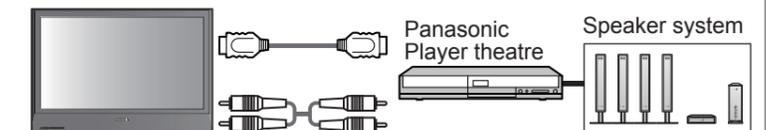
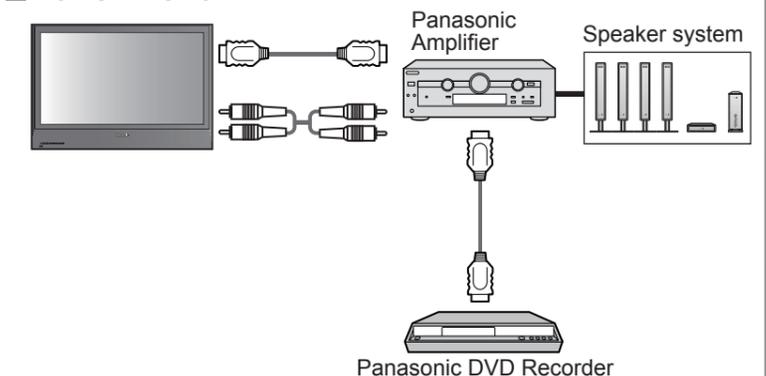
- Use fully wired HDMI compliant cable.
- Read the manuals of the equipment too.

Easy playback, Easy control only with VIERA remote control



Panasonic DVD Recorder, HD Video Camera, etc.

Home Cinema



Technical Information

Aspect Ratio

The optimum size and aspect can be chosen, and you can enjoy finer images. (p. 15)

■ **Auto:** 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.

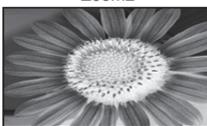
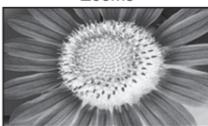
The text shown on the screen indicates how Auto aspect determined which ratio to use:

“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” 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.

Signal name	Aspect modes									Aspect Control Signal						
	Auto	16:9	14:9	Just	4:3	4:3 Full	Zoom1	Zoom2	Zoom3	Widescreen signal (WSS)			Control signal through SCART (pin 8) or HDMI terminal			
										TV	AV1	AV2	Component	AV1	AV2	HDMI
TV/AV1/AV2	PAL	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	PAL 525/60	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	M.NTSC	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SD	NTSC(AV input only)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	525(480)/60i	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	525(480)/60p	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Component/HDMI	625(576)/50i	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	625(576)/50p	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	750(720)/50p	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
HD	750(720)/60p	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	1125(1080)/50i	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	1125(1080)/60i	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	1125(1080)/50p	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	1125(1080)/60p	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Note

- 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:

<p>Auto</p>  <p>The best ratio is chosen and the picture expanded to fill the screen.</p>	<p>16:9</p>  <p>Directly displays the image at “16:9” without distortion (anamorphic).</p>	<p>14:9</p>  <p>Displays the image at the standard “14:9” without enlargement.</p>
<p>Just</p>  <p>Displays a 4:3 image full-screen. Stretching is only noticeable at the left and right edges.</p>	<p>4:3</p>  <p>Displays the image at the standard “4:3” without distortion.</p>	<p>4:3 Full</p>  <p>Displays a “4:3” image enlarged horizontally to fit the screen.</p>
<p>Zoom1</p>  <p>Displays a “16:9” letterbox or “4:3” image without distortion.</p>	<p>Zoom2</p>  <p>Displays a “16:9” letterbox (anamorphic) image full-screen without distortion.</p>	<p>Zoom3</p>  <p>Displays a “2.35:1” letterbox (anamorphic) image full-screen without distortion. At “16:9”, displays the image at its maximum (with slight enlargement).</p>

VIERA Link “HDAVI Control™”

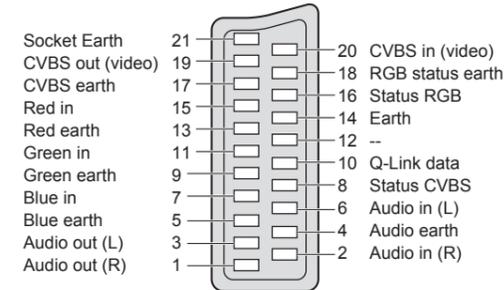
HDMI connections to some Panasonic equipment allow you to interface them automatically. (p. 32)

- 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.
- “HDAVI Control 2” is the newest standard (current as of February, 2007) for Panasonic’s HDAVI Control compatible equipment. This standard is compatible with Panasonic’s conventional HDAVI equipment.

SCART and HDMI terminal information

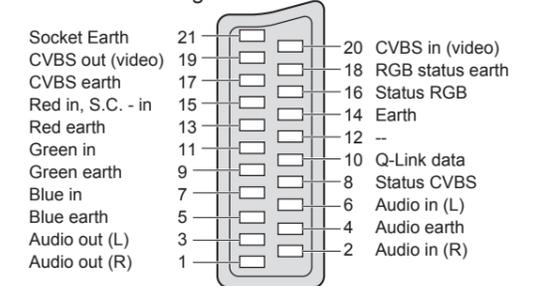
AV1 SCART terminal (RGB, VIDEO, Q-Link)

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

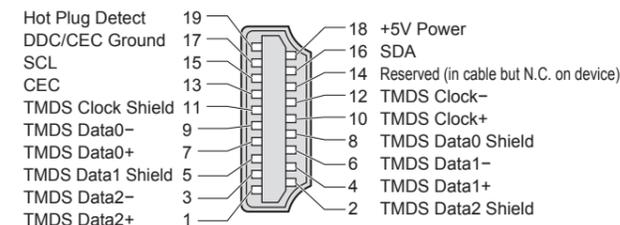


AV2 SCART terminal (RGB, VIDEO, S-VIDEO, Q-Link)

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



HDMI terminal



Input signal that can be displayed

COMPONENT (Y, P_B, P_R), 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		*

Note

- Signals other than above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.

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 for assistance.

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. 36.

S-Video / black and white picture

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

On Screen messages - i.e. EC/AV1

- You can simply clear these by pressing the **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).

Permanently lit spots on screen

- Due to production process involved in this technology this may result in some pixels which are permanently lit or unlit. This is not a malfunction.

Contrast is reduced

- Contrast is lowered when the following conditions without any user operation for a few minutes:
 - no signal in AV mode
 - selected locked channel
 - selected invalid channel
 - displayed menu

	Problem	Actions
Screen	Chaotic image, noisy	<ul style="list-style-type: none"> ● Set "P-NR" in the Picture Menu (to remove noise). (p. 22) ● Check nearby electrical products (car, motorcycle, fluorescent lamp).
	No image can be displayed	<ul style="list-style-type: none"> ● Is "Colour" or "Contrast" in the Picture Menu set to the minimum? (p. 22) ● Check Colour system. (p. 25)
	Blurry or distorted image (no sound or low volume)	<ul style="list-style-type: none"> ● Reset channels. (p. 24)
	Unusual image is displayed	<ul style="list-style-type: none"> ● Turn off the TV with Mains power On / Off switch, then turn it on again.
Sound	No sound is produced	<ul style="list-style-type: none"> ● Is "Sound mute" active? (p. 9) ● Is the volume set to the minimum?
	Sound level is low or sound is distorted	<ul style="list-style-type: none"> ● Sound signal reception may be deteriorated. ● Set "MPX" (p. 22) in the Sound Menu to "Mono". ● Check Sound system. (p. 25)
HDMI	Sound is unusual	<ul style="list-style-type: none"> ● Set the sound setting of the connected equipment to "2ch L.PCM". ● Check the "HDMI Input" setting in the Sound Menu. (p. 22) ● If digital sound connection has a problem, select analogue sound connection. (p. 31)
	Pictures from external equipment are unusual when the equipment is connected via HDMI	<ul style="list-style-type: none"> ● Is the HDMI cable connected properly? (p. 34) ● Turn Off the TV and equipment, then turn them On again. ● Check an input signal from the equipment. (p. 37) ● Use an equipment compliant with EIA/CEA-861/861B.
Other	TV goes into "Standby mode"	<ul style="list-style-type: none"> ● Off Timer function is activated. ● The TV enters "Standby mode" about 30 min. after broadcasting ends.
	The remote control does not work	<ul style="list-style-type: none"> ● Are the batteries installed correctly? (p. 6) ● Has the TV been switched On?
	An error message appears	<ul style="list-style-type: none"> ● Follow the message's instructions. ● If the problem persists, contact the authorized Service Centre.

Licence

Trademark Credits

- 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.

Specifications

	TH-37PV7P	TH-42PV7P	TH-50PV7P	
Power Source	AC 220-240 V, 50 / 60 Hz			
Power Consumption	Average use	241 W	261 W	
	Standby condition	0.7 W		
Display panel	Aspect Ratio	16:9		
	Visible screen size	94 cm (diagonal) 819 mm (W) × 457 mm (H)	106 cm (diagonal) 922 mm (W) × 518 mm (H)	127 cm (diagonal) 1,106 mm (W) × 622 mm (H)
	Number of pixels	737,280 (1,024 (W) × 720 (H)) [3,072 × 720 dots]	786,432 (1,024 (W) × 768 (H)) [3,072 × 768 dots]	1,049,088 (1,366 (W) × 768 (H)) [4,098 × 768 dots]
Sound	Speaker	160 mm × 42 mm × 2 pcs, 8 Ω		
	Audio Output	20 W (10 W + 10 W), 10% THD		
Receiving Systems / Band name	PAL B, G, H, I, SECAM B, G, SECAM L / L' VHF E2 - E12 VHF A - H (ITALY) CATV (S01 - S05) CATV S11 - S20 (U1 - U10)			
	PAL D, K, SECAM D, K VHF R1 - R2 VHF R6 - R12			
	PAL 525/60 Playback of NTSC tape from some PAL Video recorders (VCR)			
	M.NTSC Playback from M. NTSC Video recorders (VCR)			
	NTSC (AV input only) Playback from NTSC Video recorders (VCR)			
Aerial - Rear	VHF / UHF			
Operating Conditions	Temperature : 0 °C - 35 °C			
	Humidity : 20 % - 80 % RH (non-condensing)			
Connection Terminals	AV1 (Scart terminal)	21 Pin terminal (Audio/Video in, Audio/Video out, RGB in, Q-Link)		
	AV2 (Scart terminal)	21 Pin terminal (Audio/Video in, Audio/Video out, RGB in, S-Video in, Q-Link)		
	HDMI	TYPE A Connector ● This TV supports "HDAVI Control 2" function.		
	COMPONENT	VIDEO	1.0 V[p-p] (including synchronization) ±0.35 V[p-p]	
		AUDIO L - R	0.5 V[rms]	
Output	AUDIO L - R	RCA PIN Type × 2 0.5 V[rms] (high impedance)		
Dimensions (W × H × D)	917 mm × 665 mm × 320 mm (With Pedestal)	1,020 mm × 725 mm × 320 mm (With Pedestal)	1,210 mm × 839 mm × 370 mm (With Pedestal)	
	917 mm × 620 mm × 95 mm (TV only)	1,020 mm × 680 mm × 95 mm (TV only)	1,210 mm × 793 mm × 95 mm (TV only)	
Mass	25.0 kg Net (With Pedestal)	28.0 kg Net (With Pedestal)	39.0 kg Net (With Pedestal)	
	23.0 kg Net (TV only)	26.0 kg Net (TV only)	37.0 kg Net (TV only)	

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, EN61000-3-2, EN61000-3-3, EN55020.