

**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-37PV60E**
TH-42PV60E

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

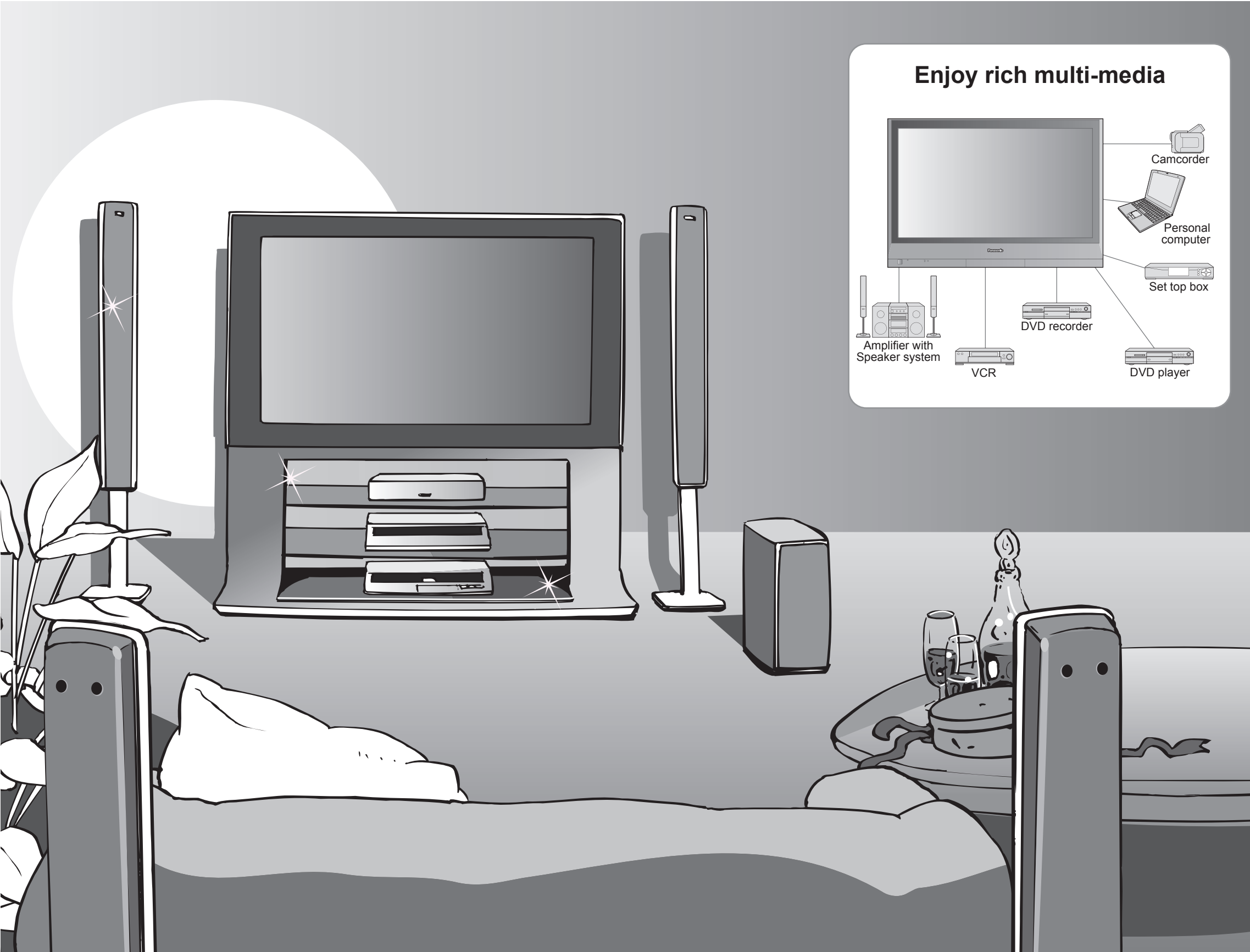
Please read these instructions before operating your set and retain them for future reference.
The images shown in this manual are for illustrative purposes only.



TQB0E0259U-3

Turn your own living room into a movie theatre!

Experience an amazing level of multi-media excitement



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Enjoy your TV!

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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 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! (such as strange smell or smoke)

AC 220-240 V
50 / 60 Hz



Do not remove covers NEVER modify the unit yourself

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

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

Do not place foreign objects inside the unit

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

Do not expose to direct sunlight and other sources of heat

- Avoid exposing the TV set to direct sunlight and other sources of heat. To prevent fire never place any type of candle or naked flame on top or near the TV set.

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 set. (including on shelves above, etc.)

Do not place the TV on an unstable surface

Use only the dedicated stands / mounting equipment

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

Notes

Caution

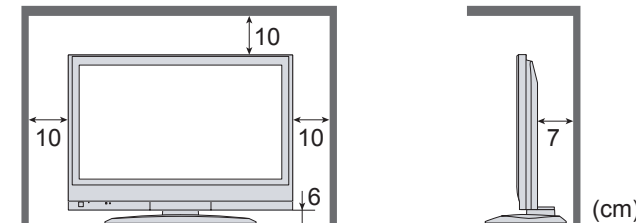
When cleaning the TV unit, remove the mains plug

(Cleaning an energized unit may cause electrical shock.)

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

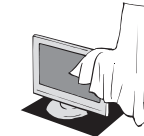
- This TV will still consume some power even in the Off mode, as long as the mains plug is still connected to a live socket outlet.

Allow sufficient space around the unit for radiated heat



Do not block the rear air vents

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



Remember not to keep still pictures on the screen for extended lengths of time

Such still pictures cause after-images on the plasma screen if they are displayed for a long time. These after-images are not considered malfunctions and are not covered by the warranty.

Typical still images

- Channel number and unique logos
- Image displayed in 4:3 mode
- Video game
- Computer image



To decrease the chance of after-images, a screen saver will be automatically activated after a few minutes if there is no signal and if there is no operation in AV mode. (p. 29)

The screen saver will be automatically deactivated when a signal is detected or an operation is executed.

Keep the unit away from these equipment

- Electronic equipment
In particular, do not place video equipment near the unit (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

Daily 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 water containing a small amount of neutral detergent. 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

Daily 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 unit's surfaces to detergent.
(A liquid inside the TV unit 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

- ☐ Remote Control Transmitter
 - EUR7651090
- ☐ Clamper (2)

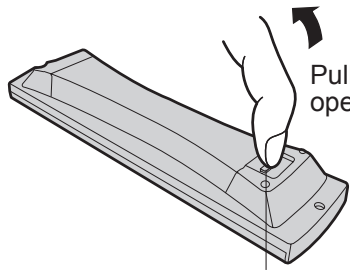
Check that you have the accessories and items shown ☒

- ☐ Batteries for the Remote Control Transmitter (2)
 - R6 (UM3)
- ☐ Mains Lead
- ☐ Ferrite core
 - J0KF00000018

☐ Operating Instructions

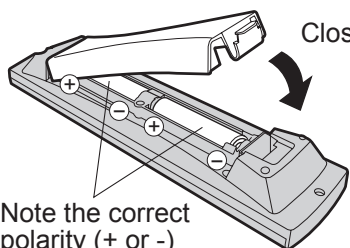
☐ Pan European Guarantee Card

Installing remote's batteries

1

Pull open

Hook

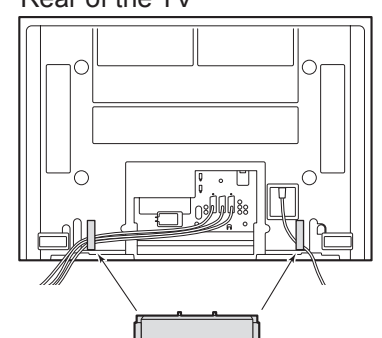
2

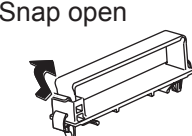
Close

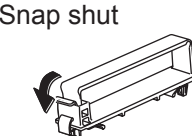
Note the correct polarity (+ or -)

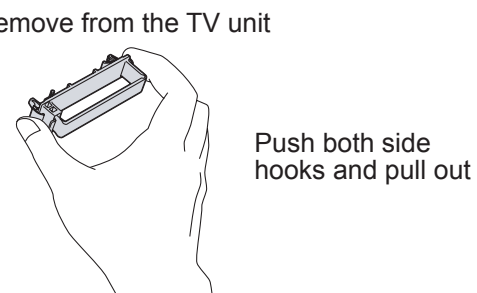
- Caution**
- Incorrect installation may cause battery leakage and corrosion, resulting in damage to the remote control unit.
 - Do not mix old and new batteries.
 - Do not mix different battery types (such as alkaline and manganese batteries).
 - Do not use rechargeable (Ni-Cd) batteries.
 - Do not burn or breakup batteries.

Attaching the cable clampers

Rear of the TV

Snap open

Snap shut

Remove from the TV unit

Push both side hooks and pull out

- 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

Pedestal

- TY-ST42P600W
- TY-ST42P60W

Plasma TV stand

- TY-S37PX60W (TH-37PV60E)
- TY-S42PX60W (TH-42PV60E)

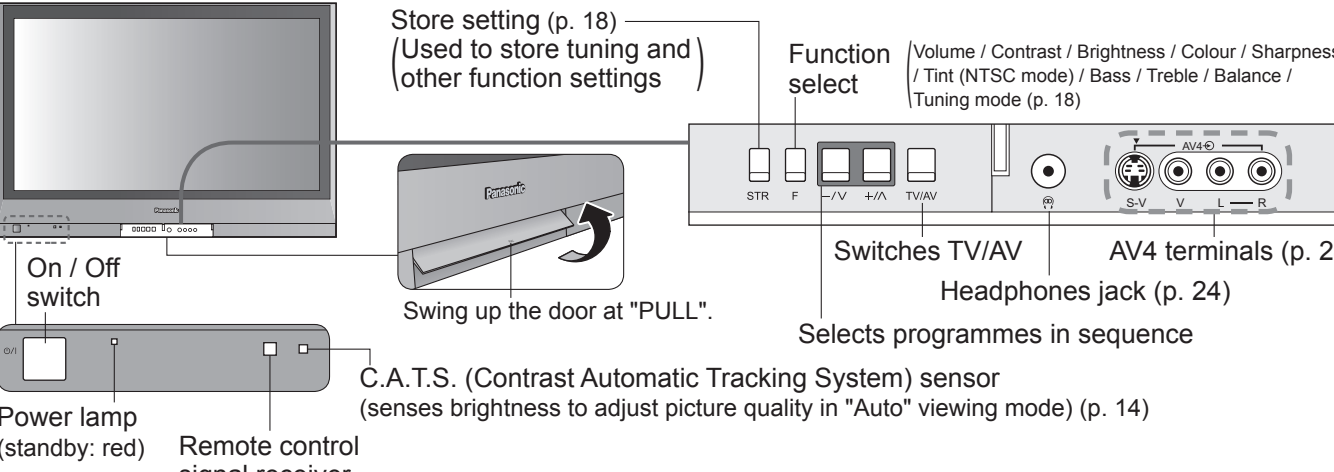
Wall-hanging bracket (vertical)

- TY-WK42PV3W

(angle)

- TY-WK42PR2W

Identifying Controls



Store setting (p. 18)
(Used to store tuning and other function settings)

Function select
(Volume / Contrast / Brightness / Colour / Sharpness / Tint (NTSC mode) / Bass / Treble / Balance / Tuning mode (p. 18))

On / Off switch

Swing up the door at "PULL".

Power lamp (standby: red)

Remote control signal receiver

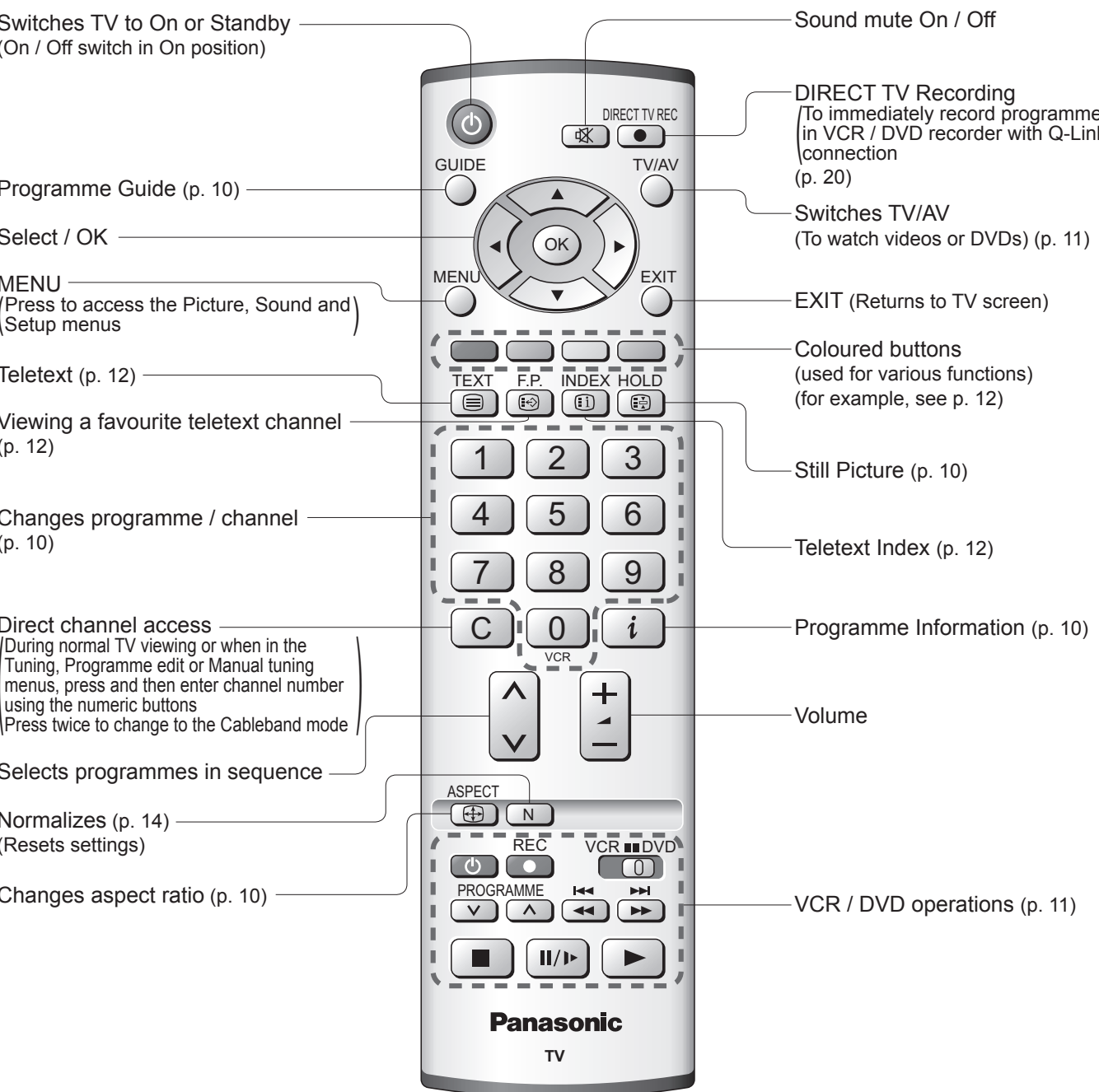
Switches TV/AV

AV4 terminals (p. 24)

Headphones jack (p. 24)

Selects programmes in sequence

C.A.T.S. (Contrast Automatic Tracking System) sensor
(senses brightness to adjust picture quality in "Auto" viewing mode) (p. 14)



Switches TV to On or Standby
(On / Off switch in On position)

Programme Guide (p. 10)

Select / OK

MENU
(Press to access the Picture, Sound and Setup menus)

Teletext (p. 12)

Viewing a favourite teletext channel (p. 12)

Changes programme / channel (p. 10)

Direct channel access
(During normal TV viewing or when in the Tuning, Programme edit or Manual tuning menus, press and then enter channel number using the numeric buttons)
(Press twice to change to the Cableband mode)

Selects programmes in sequence

Normalizes (p. 14)
(Resets settings)

Changes aspect ratio (p. 10)

Sound mute On / Off

DIRECT TV Recording
(To immediately record programme in VCR / DVD recorder with Q-Link connection (p. 20))

Switches TV/AV
(To watch videos or DVDs) (p. 11)

EXIT (Returns to TV screen)

Coloured buttons
(used for various functions)
(for example, see p. 12)

Still Picture (p. 10)

Teletext Index (p. 12)

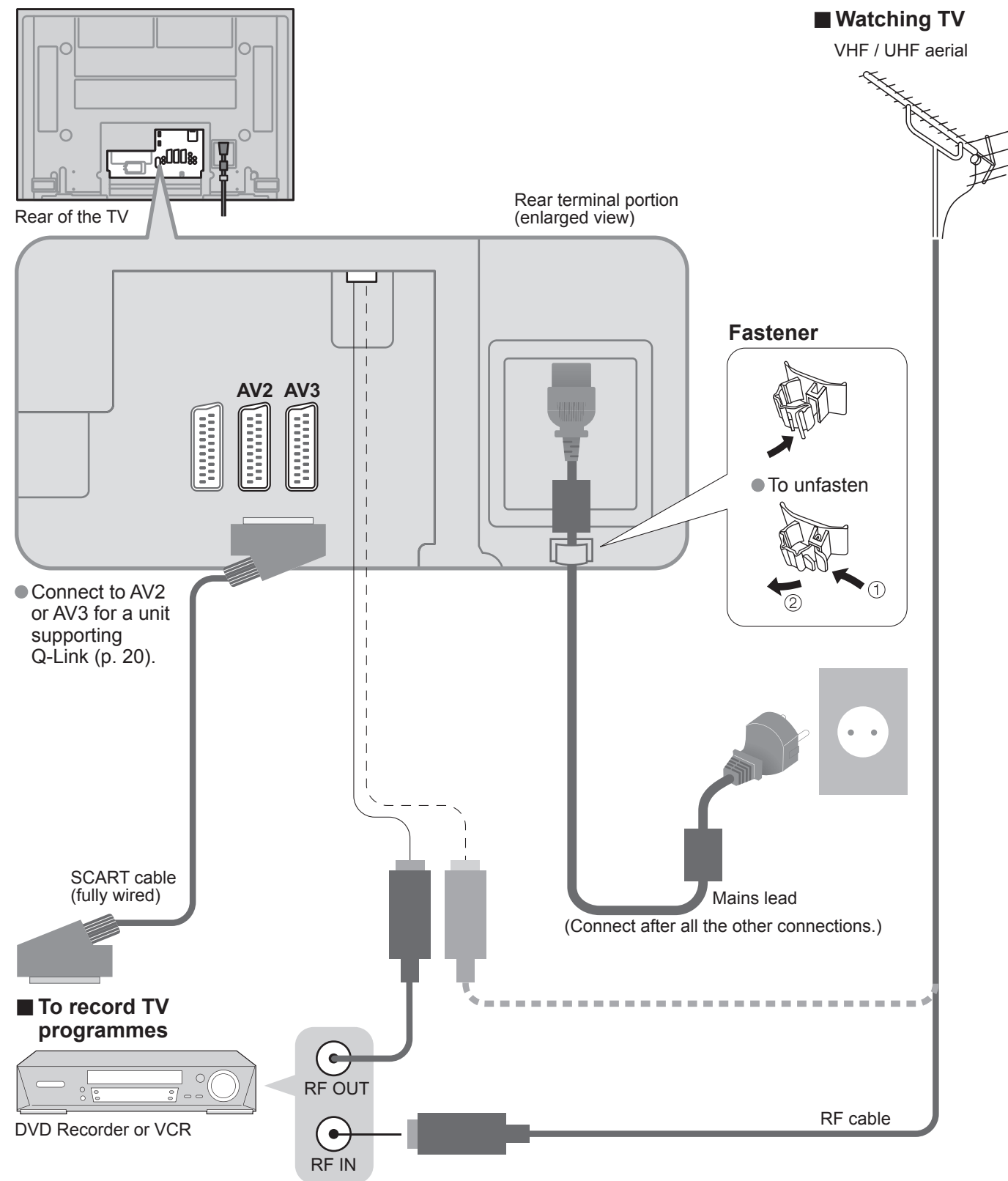
Programme Information (p. 10)

Volume

VCR / DVD operations (p. 11)

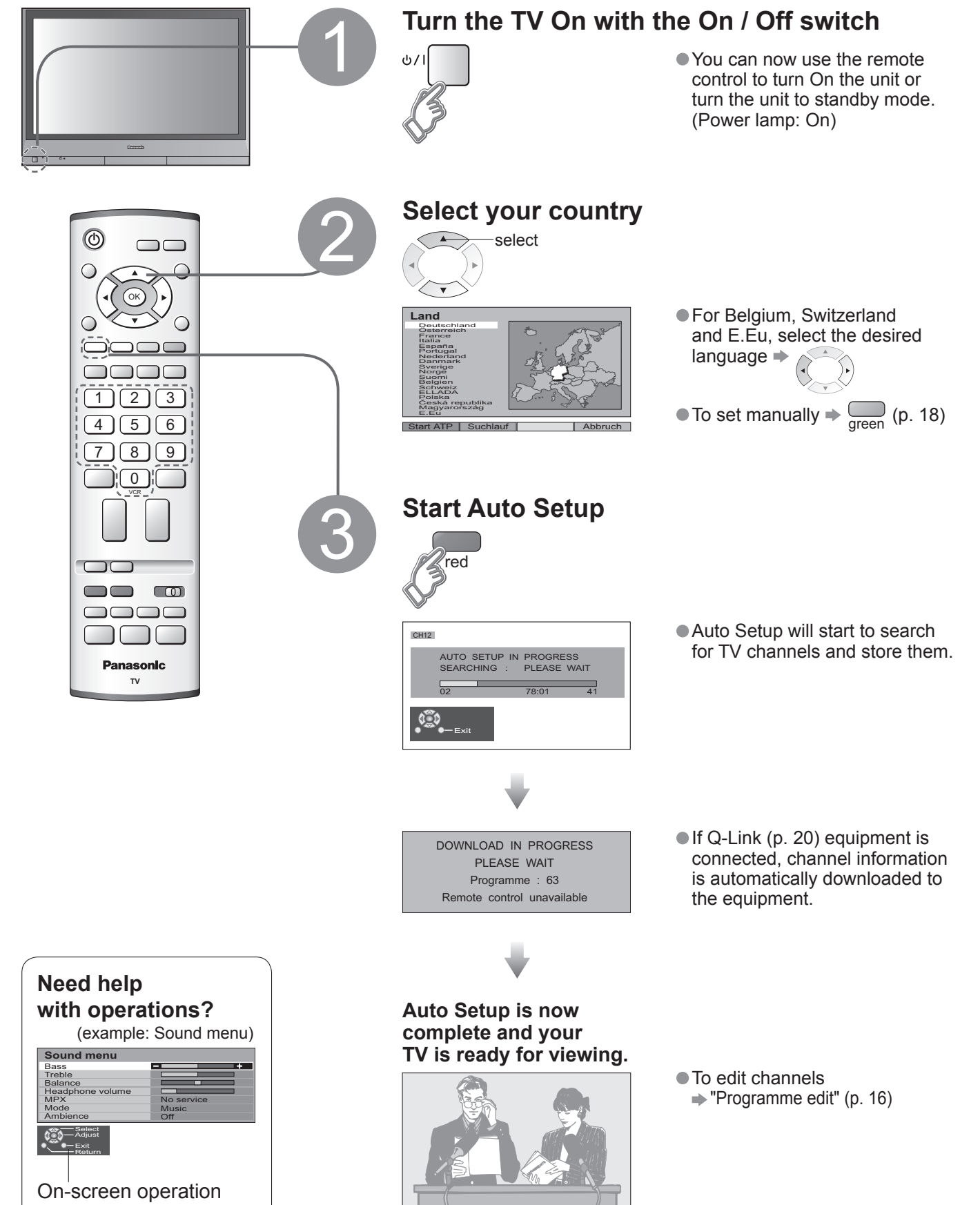
Connection

External equipments and cables shown in this manual are not supplied with this TV.
Please ensure that the unit is disconnected from the mains before attaching or disconnecting any leads.



Auto Setup

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



Watching TV

1

Turn power on


(for about 1 second)
● On / Off switch on unit should be On.

2

Select a programme number

up

down

or

1 2 3

4 5 6

7 8 9

0

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

Select from the Programme table

GUIDE

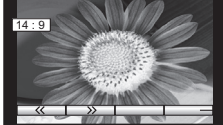
select page

select programme

watch

Programme Guide			
Prog.	Name	Chan.	Prog.
VCR :			
1	Das Erste	CH21	13
2	ZDF	CH44	14
3	RTL	CH51	15
4		CH41	16
5		CH47	17
6		CH23	18
7		CH26	19
8		CH58	20
9			21
10			22
11			23
12			24

Other Useful Functions (Operate after 2)

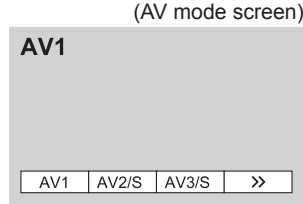
Hold	Freeze / unfreeze picture 
Display status information	Display / hide status information  ● Displayed information: Programme number / Programme name / Channel number / MPX mode (p. 14) / Sound system (p. 14) / Aspect mode
Change aspect ratio	Change the aspect ratio (p. 26)  ● Each press changes the mode. (Auto aspect / 16:9 / 14:9 / Just / 4:3 / 4:3 Full / Zoom1 / Zoom2 / Zoom3)  While the bar is displayed →  

Watching Videos and DVDs

It is possible to connect a variety of external equipment to the TV unit. Once the equipment is connected, use the following procedure to view the input.
To connect the equipment (p. 24)

1

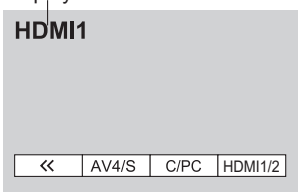
With the equipment turned On
Select the external input


(AV mode screen)


2

Select the connector connected to the equipment

Displays the selected connector


HDMI1

AV2

AV1 AV2/S AV3/S >>

red green yellow

AV1 AV2/ AV3/

S-video S-video

green yellow blue

AV4/ Component/

S-video PC HDMI1/2

● example: AV1 → 
PC →  →  (twice)

■ To return to TV



Note

- Automatic Input selection
- Input mode is automatically switched from TV to AV mode when the equipment connected via SCART or HDMI terminal is operated. When the equipment is turned off, the TV is set to TV mode.
- 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.

Some Panasonic VCR and DVD equipment connected to the TV unit can be directly operated with the remote control.

	VCR / DVD switch Select VCR / DVD
	Standby Set to Standby mode / Turn on
	Play Playback VCR / DVD
	Stop Stop the operations
	Rewind / Skip / Search VCR: Rewind, review (during playback) DVD: Skip to the previous track or title Press and hold to search backward
	Fast-forward / Skip / Search VCR: Fast-forward, cue (during playback) DVD: Skip to the next track or title Press and hold to search forward
	Pause Pause / Restart DVD: Press and hold for slow-motion play
	Programme Up / Down Select programme
	Record Start recording

Viewing Teletext

You can enjoy teletext broadcasting, including news, weather forecasts and subtitles, if this service is provided by the broadcasters.

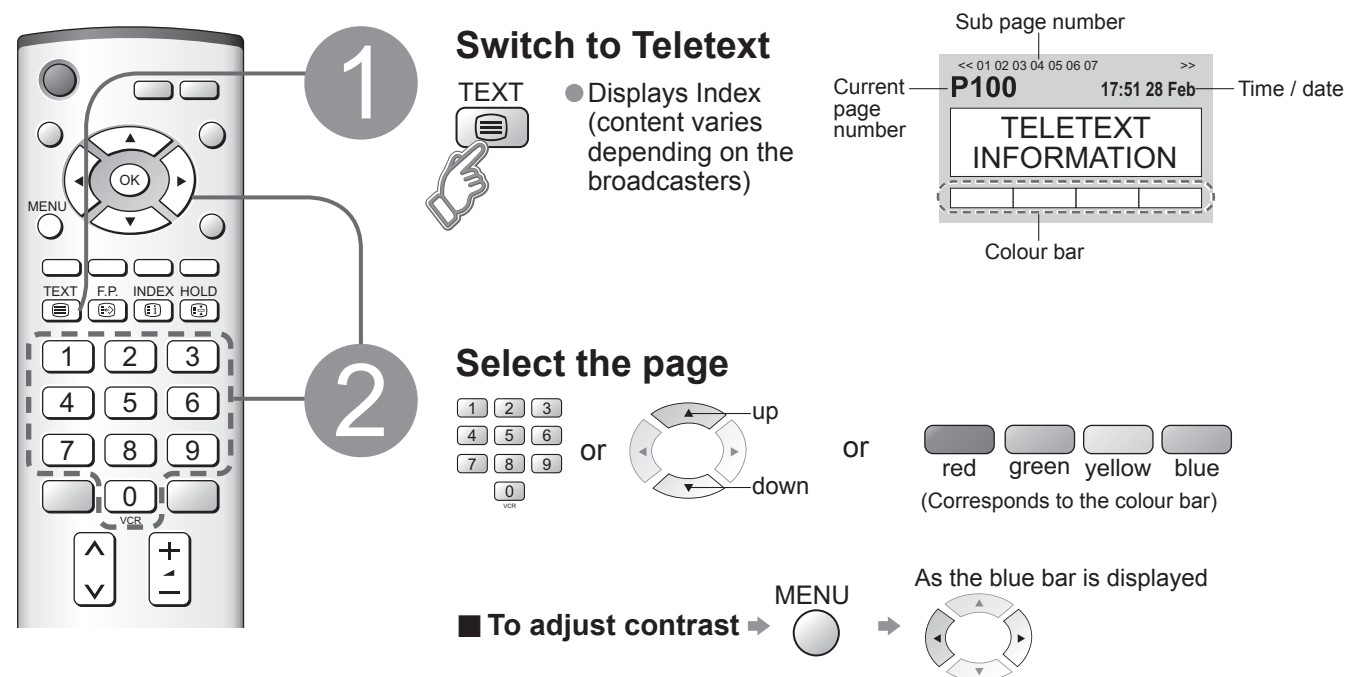
What is TOP / FLOF mode?

In TOP / FLOF mode, four differently coloured subjects are situated at the bottom of the display. To access more information about one of these subjects, press the appropriately coloured button. This facility enables fast access to information on the subjects shown.

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. 13)

■ To change mode → "Teletext" in Setup menu (p. 14)



■ To return to TV



Note

- Contrast will be lowered in the still picture to prevent after-image.

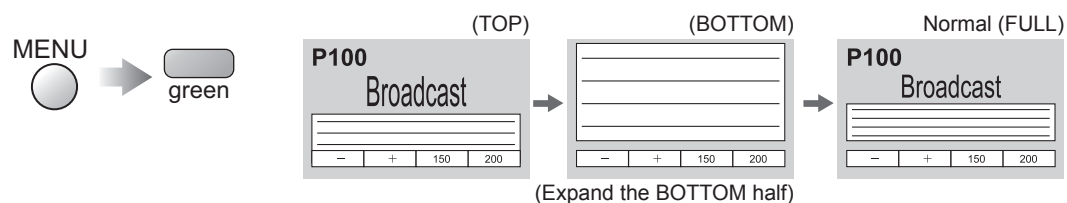
■ Using teletext conveniently

Reveal hidden data

Reveal hidden words e.g. quiz page answers



FULL / TOP / BOTTOM



HOLD

If you wish to hold the current page without updating
Stop or resume automatic updating

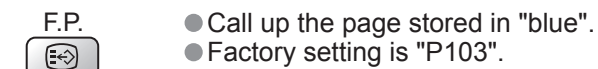


INDEX

Return to the main index page

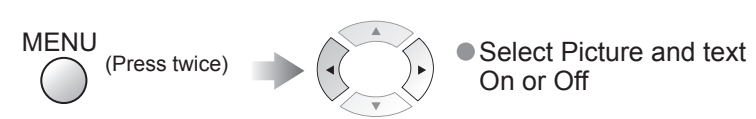


Call up a favourite pages



View in multi window

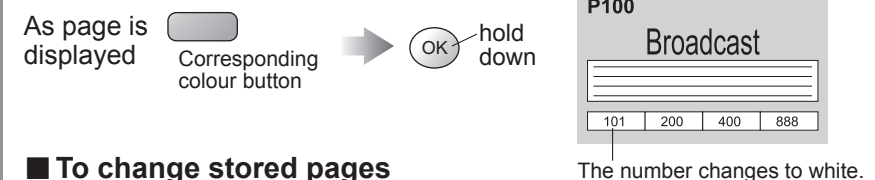
Watch TV and Teletext in two windows at once



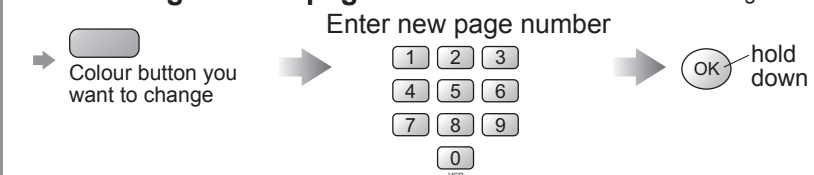
- Operations can be made only in Teletext screen.

Store frequently viewed pages (only on first 25 channels on Programme Guide) in the colour bar

(List mode only)



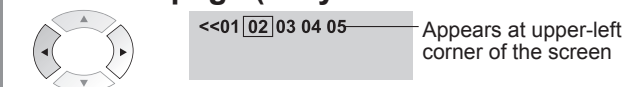
■ To change stored pages



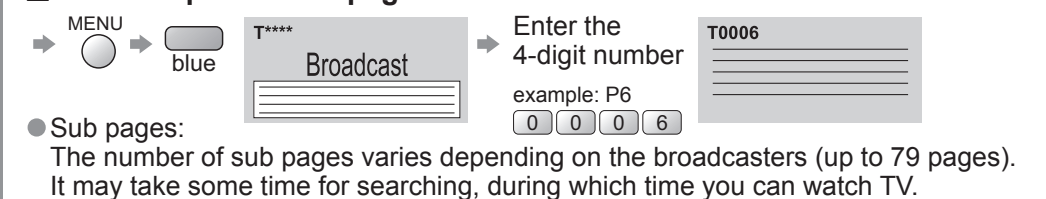
Store frequently viewed pages

View sub page

View sub page (Only when teletext is more than one page)



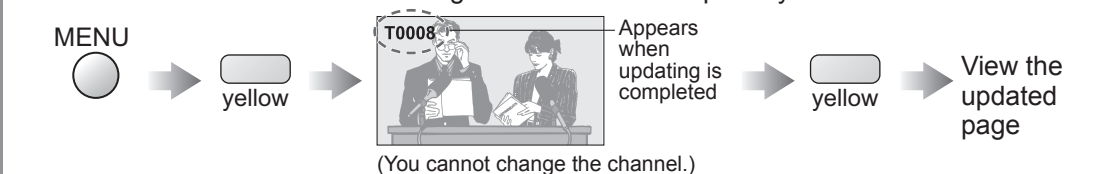
■ To view specific sub page



Watch TV while waiting for update

View the TV picture while searching for a teletext page

Teletext automatically updates itself when new information becomes available.
Changes to TV screen temporarily



- 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 so that you can enjoy watching TV in your own way.

1

Display menu

MENU

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

2

Select the menu

Main menu

Picture menu

Sound menu

Setup menu

(example: Picture menu)

3

Select the item

Picture menu

Viewing mode

Contrast

Brightness

Colour

Sharpness

Tint

Colour balance

Colour management

P-NR

MPEG NR

3D-COMB

(example: Picture menu)

4

Adjust or select

Picture menu

Viewing mode

Contrast

Brightness

Colour

Sharpness

Tint

Colour balance

Colour management

P-NR

MPEG NR

3D-COMB

(example: Picture menu)

① select

② next

select

① change

② store (Required by some functions)

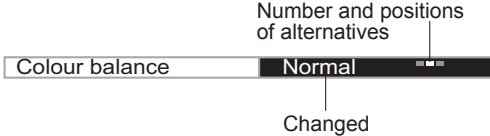
■ To return to TV



■ To return to the previous screen



■ Choose from among alternatives



■ Adjust using the slide bar



■ Go to the next screen



■ To reset the setting



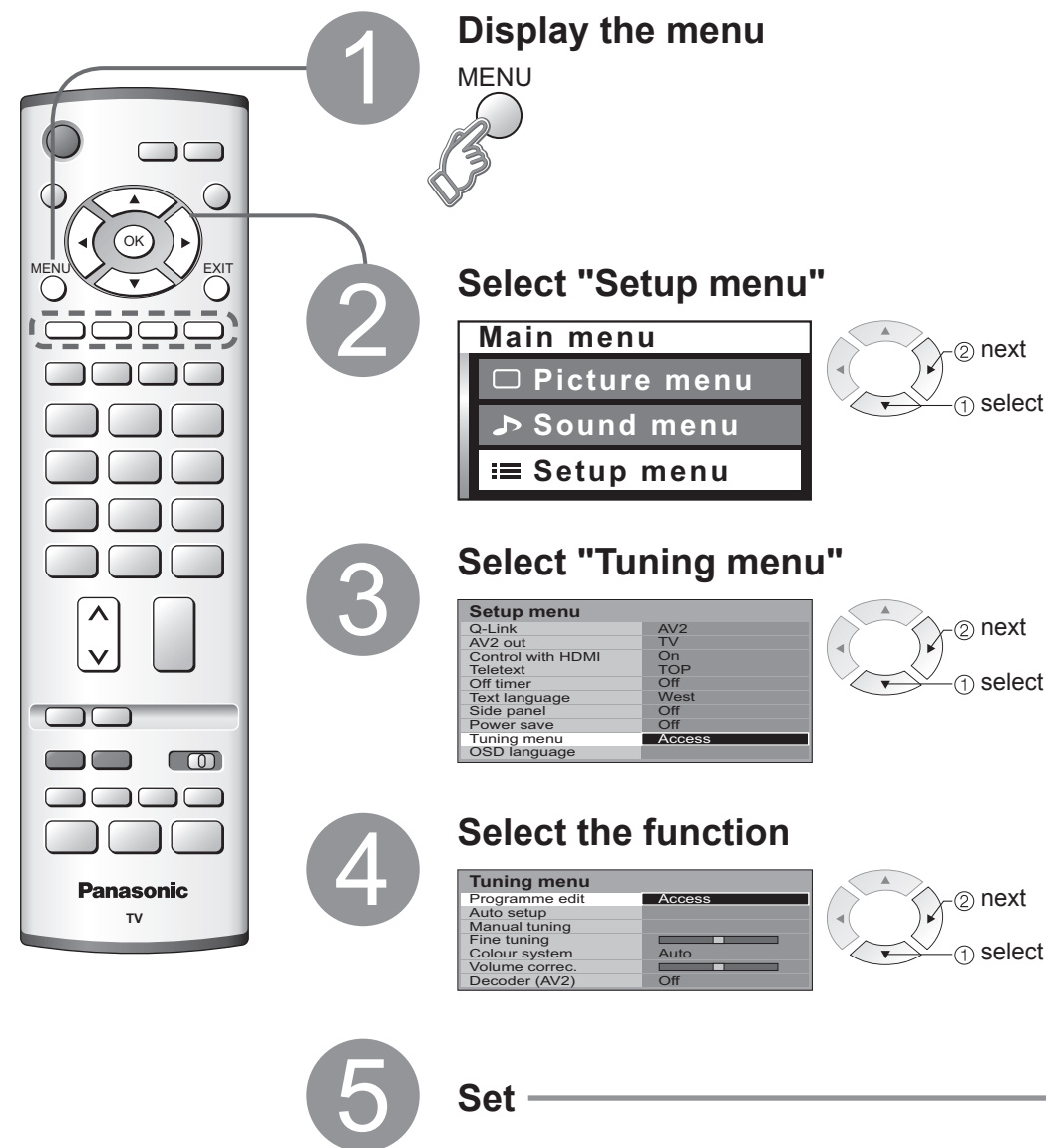
■ Menu list

Menu	Item	Adjustments / Configurations (alternatives)
Picture menu	Viewing mode	Basic picture mode (Dynamic / Normal / Cinema / Auto) ● Set for each input signal Viewing mode Dynamic
	Contrast, Brightness, Colour, Sharpness	Adjusts colour, brightness, etc. for each picture mode to suit your taste Contrast - + Brightness - + Colour - + Sharpness - +
	Tint	Adjusts tint of image ● For NTSC signal reception only Tint - +
	Colour balance	Chooses the colour balance of the entire image (Cool / Normal / Warm) Colour balance Normal
	Colour management	Automatically adjusts colours to vivid ones (Off / On) Colour management On
	P-NR	Automatically reduces unwanted picture noise (Off / Normal / Dynamic / Auto) ● Not valid on HDMI, PC, and HD signal P-NR Auto
	MPEG NR	Automatically reduces noise for watching DTV, DVD and VCD (Off / Min / Mid / Max) MPEG NR Off
Sound menu	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, PC and HDMI 3D-COMB On
	Bass	Adjusts the output level of deep bass (High ⇄ Low) Bass - +
	Treble	Adjusts the output level of high-pitch, shrill sound (High ⇄ Low) Treble - +
	Balance	Adjusts volume level of right and left speakers Balance - +
	Headphone volume	Adjusts the volume of the headphones (High ⇄ Low) Headphone volume - +
	MPX	Select stereo / monaural (Mono / Stereo) ● Normally: Stereo ● Stereo signal cannot be received: Mono ● M1 / M2: Available while mono signal is transmitted MPX Stereo
	Mode	Improves sound quality for music and dramas (Music / Speech) Mode Music
Setup menu	Ambience	Gives a greater spatial effect by using dynamic enhancer (Off / On) Ambience Off
	HDMI1 input	Chooses according to the signal when HDMI is connected (Auto / Digital / Analogue) (p. 27) ● HDMI2 terminal is for digital signal only HDMI1 input Auto
	Q-Link	Chooses the connector to which a Q-Link compatible equipment is connected (Off / AV2 / AV3) (p. 24) Q-Link AV2
	AV2/AV3 out	Chooses the signal to be transmitted from the TV to Q-Link (TV / AV1 / AV2 / AV3 / AV4 / Monitor) ● Monitor: Image displayed on screen ● Component signals cannot be outputted AV2 out TV
	Control with HDMI	Control with HDMI function (Off / On) (p. 21) Control with HDMI On
	Teletext	Teletext display mode (TOP (FLOF) / List) (p. 12) Teletext TOP
	Off timer	Sets the time the unit automatically turns Off. (Off / 15 / 30 / 45 / 60 / 75 / 90) (minutes) Off timer Off
	Text 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 Text language West
	Side panel	Increases the brightness of the side panel (Off / Low / Mid / High) ● The recommended setting is High to prevent panel "after-image" Side panel Off
	Power save	Reduces brightness of picture to economise on power consumption (Off / On) Power save Off
	Programme edit	Edits channels (p. 16) Programme edit Access
	Auto setup	Sets channels automatically (p. 18) Auto setup Access
	Manual tuning	Sets channels manually (p. 18) Manual tuning Access
	Fine tuning	Fine tuning of channels (during rain, etc.) Fine tuning - +
	Colour system	Selects optional colour system depending on video signals (Auto / PAL / SECAM / M. NTSC) Colour system Auto
Tuning menu	Volume correc.	Adjusts volume of individual stations Volume correc. - +
	Decoder (AV2 / AV3)	Set "On" when the decoder is connected to AV2 or AV3 terminal via a Q-Link equipment (Off / On) Decoder (AV2) Off
	OSD language	Changes language for on-screen displays OSD language Access
	Colour system	Selects optional colour system based on video signals in AV mode Colour system Auto
Setup menu	Volume correction	Adjusts volume for AV, PC, and HDMI mode Volume correction - +

● A different menu will be displayed while PC is used. (p. 19)
● In AV mode, the Sound menu and Setup menu give a smaller number of options.

Editing and Setting Channels

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



■ **To exit**



Edit channels

Programme edit

- Delete
- Add
- Move
- Change channel number
- Change name
- Lock
- Change sound system
- Download to equipment

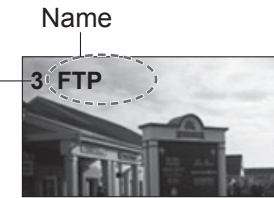
① **Select the programme number to edit**

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

Cursor



Programme
number



② **Edit**

- **To delete** →  → After confirming, press 
- **To add** →  → After confirming, press 
- **To move** →  →  Select destination → 

■ To change channel number

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

 Select the "Chan." field

 Change number
(Can also be changed with "C" and number buttons)

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

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

Select the "Name" field

 Select the character

 To next character

Usable characters

■ **To lock**

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

 Select the "Lock" field

Select "On"
("Off" to unlock)

- You cannot select the channel with number buttons or the "C" button when locked.

■ To change sound system based on signals

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

 Select the "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 download channel information to a Q-Link compatible equipment connected to the unit

➡  ➡ Automatically transmitted (for a few sec.)

- For details (p. 20)
- Not available if "Q-Link" is "Off" in the Setup menu. (p. 14)

③ **Store**



Editing and Setting Channels

Displaying PC Screen on TV

The screen of the PC connected to the unit can be displayed on the TV.
You can also listen to PC sound with the audio cable connected. To connect PC (p. 24)

1

Select the external input

2

Select "PC"

TV/AV

AV2

AV1 AV2/S AV3/S >>

PC

Displays PC screen

1 blue (To next page)

2 yellow Press twice

TV/AV

To return to TV

Corresponding signals (p. 28)

If "H-freq." or "V-freq." is shown in red, the signals may not be supported.

■ PC menu setting (changed as desired)

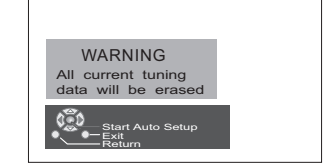
● Making settings → "How to Use Menu Functions" ① to ④ (p. 14)

Menu	Item	Adjustments / Configurations(options)
Picture menu	Viewing mode, Contrast, Brightness, Sharpness, Colour balance (p. 14)	
	Advanced setting	W/B High R White balance of bright red area
		W/B High B White balance of bright blue area
		W/B Low R White balance of dark red area
		W/B Low B White balance of dark blue area
Setup menu	Gamma	(2.0 / 2.2 / 2.5 / S Curve)
	Input resolution	Switches to a wide view ● VGA (640 x 480 dots), WVGA (852 x 480 dots), XGA (1,024 x 768 dots), WXGA (1,366 x 768 dots) ● Options change depending on signals
	Clock	Set to the minimum level if noise occurs
	H-pos	Adjust horizontal position
	V-pos	Adjust vertical position
	Clock phase	Eliminate 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)
Volume correction, Side panel, Power save, OSD language (p. 14)		

● Sound menu (p. 14)

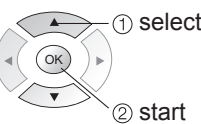
Automatically set the channels received in the area

① Start Auto setup



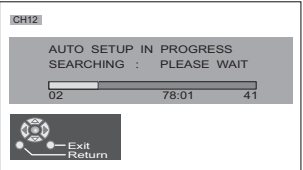
OK set

② Select your country



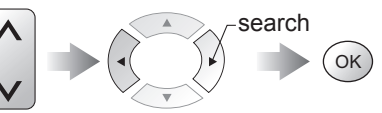
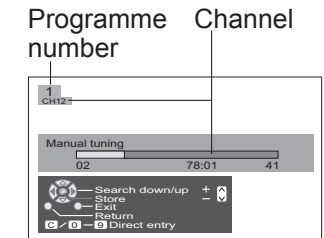
- The settings are downloaded to a Q-Link compatible equipment connected to the unit.
- All previous settings are erased.
- When the sequence is completed, the broadcast of programme number "1" will appear.
- No data is stored if an Auto setup sequence is interrupted.

③ Settings are made automatically



To freely change settings after Auto setup

① Select the programme number and search through the channel



- The programme number blinks.

② Store

③ Repeat ① and ②

Note

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

For Manual tuning, using the buttons on the unit ("Tuning mode" on p. 7)

① (Press repeatedly until "Tuning mode" appears)

② or (Access "Manual tuning")

③ (Programme, Channel (select), Sound system)

④ or (Change programme or start searching channels)

⑤ (Store)

⑥ ③-⑤ (Repeat)

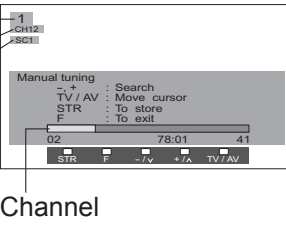
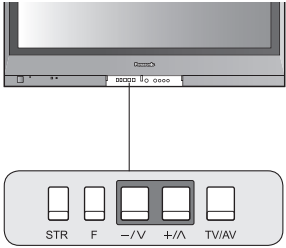
■ To return to TV



Programme number (flash)

Channel number (flash)

Sound system (flash)



Set automatically
Auto setup

Set manually
Manual tuning

● Displaying PC Screen on TV
● Editing and Setting Channels

Advanced

External Equipment

Q-Link

Q-Link interlocks the TV unit 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 unit's AV2 or AV3 terminal via a "fully-wired" SCART cable. (p. 22)
- Q-Link terminal setup in Setup menu (Q-Link, AV2/AV3 out). (p. 14)

Download channel settings

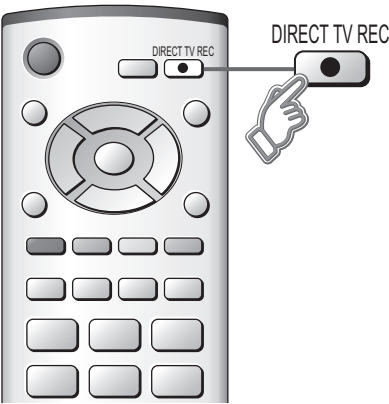
- Perform Auto setup. (p. 18)
When first using this unit, see "Auto Setup". (p. 9)
- Perform download to the equipment. (p. 16)

Features available

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

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.
- Do not turn the TV off during recording AV source. Otherwise the recording will be stopped.

What you see
What you record

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

Insert a videocassette or DVD in the recording equipment and it is operated, 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) • "Megalogic" (a trademark of Grundig Corporation)
● "Easy Link" (a trademark of Philips Corporation) • "SMARTLINK" (a trademark of Sony Corporation)
Read the manuals of the equipment too.

Control with HDMI "HDAVI Control"*

*Enjoy additional HDMI Inter-Operability with Panasonic products which have "HDAVI Control" function. HDMI connections to some Panasonic equipments (Panasonic DVD Recorder DIGA, Panasonic Player theatre, Panasonic Amplifier, etc.) allow you to enjoy the easy playback or home theatre. About connections, see "Connections" (p. 23). Read the manuals of the equipment too. Non-HDMI-compliant cables cannot be utilized.

About applicable equipments, consult your local Panasonic dealer.

After connections turn the equipments on and then, switch the TV unit on.

1 Display the menu

MENU

2 Select "Setup menu"

Main menu

- Home theatre
- Picture menu
- Sound menu
- Setup menu

3 Select "Control with HDMI"

Setup menu

Q-Link	AV2
AV2 out	TV
Control with HDMI	On
Teletext	TOP
Off timer	Off
Text language	West
Side panel	Off
Power save	Off
Tuning menu	
OSD language	

4 Select "On" (default is On)

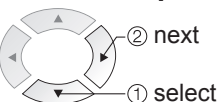
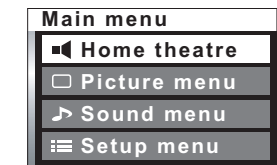
Easy
playback

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

You can control the theatre speaker with TV's remote control.
This function is available when Panasonic Amplifier or Player theatre is connected.

Theatre
speaker

- ① Display the menu → MENU
- ② Select "Home theatre" or "TV speaker"



Home theatre:

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

Volume up / down → +

Mute → MUTE

TV speaker:

TV speakers are active.

- When selecting "Home theatre", the sound of TV speakers is mute.
- When the equipment is turned off, TV speakers will be active.

Power on
link

When the connected Panasonic equipment is operated, TV is also automatically turned on and the content is reproduced. (Only when TV is in Standby mode.)

Power off
link

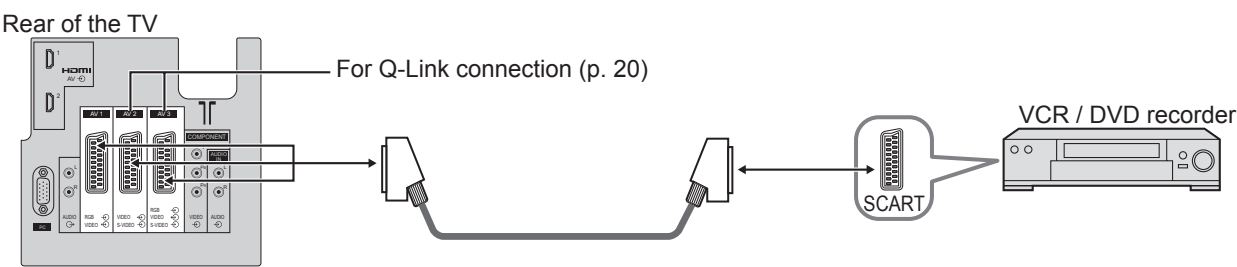
When TV is set to Standby mode, the connected Panasonic equipment is also automatically set to Standby.

External Equipment

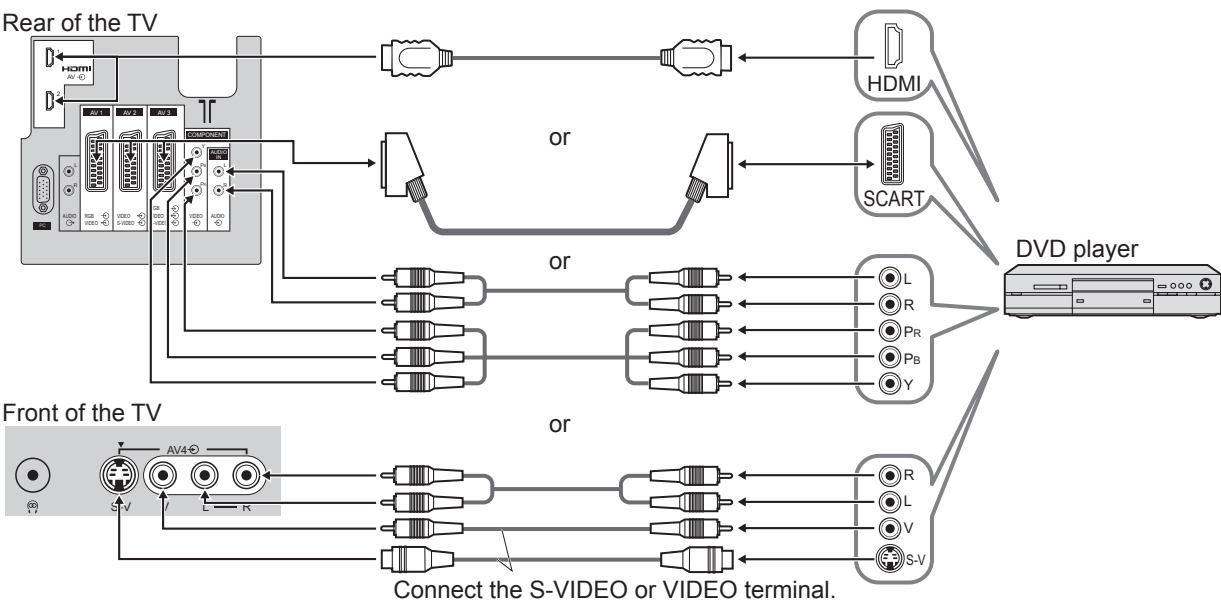
Connections

● External equipments and cables shown are not supplied with this TV.

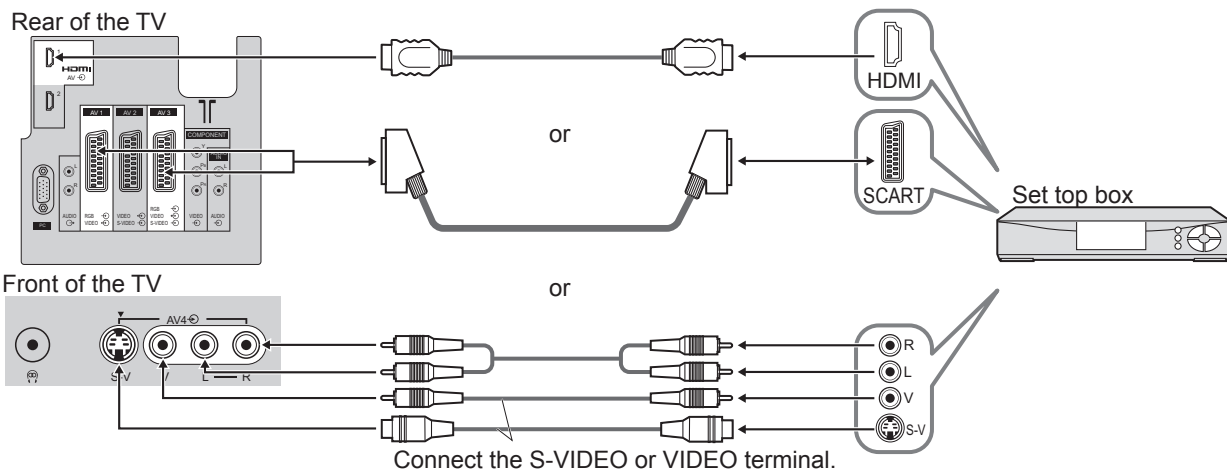
■ Connect VCR / DVD recorder (Recording, Playback)



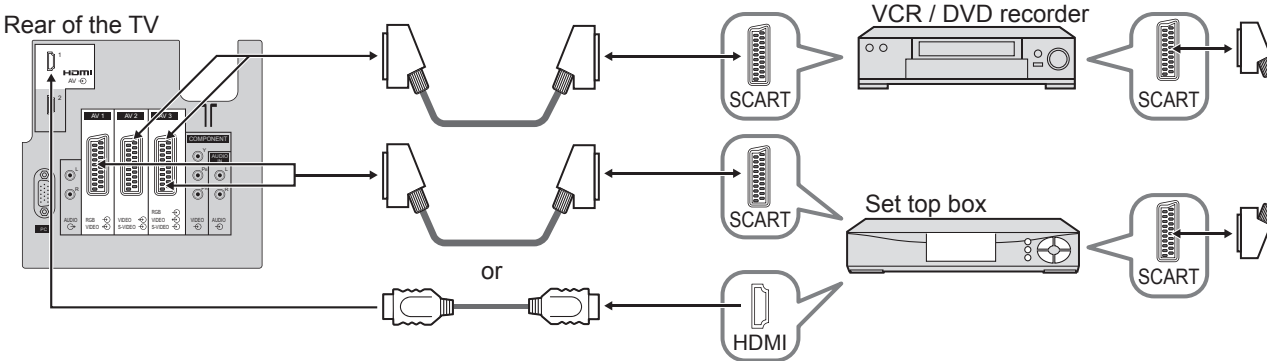
■ Connect DVD player (Playback)



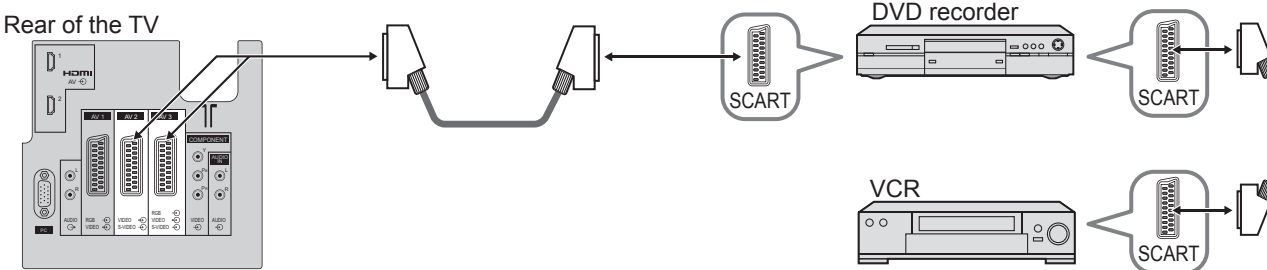
■ Connect Set top box (RGB input)



■ Connect VCR / DVD recorder and Set top box (example)

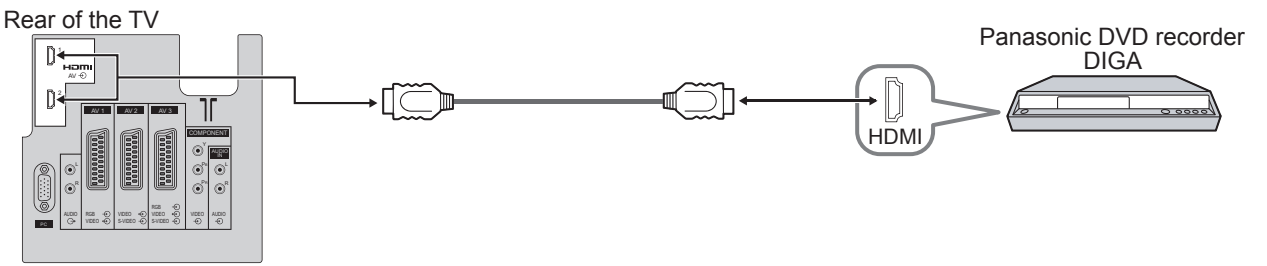


■ Connect DVD recorder and VCR (example)

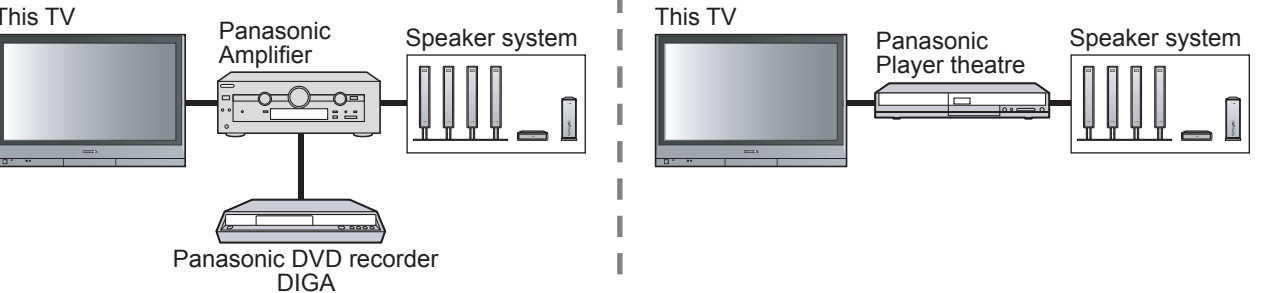


Control with HDMI (p. 21)

■ Easy playback (For connection to HDMI2 terminal, refer to p. 24)



■ Home theatre



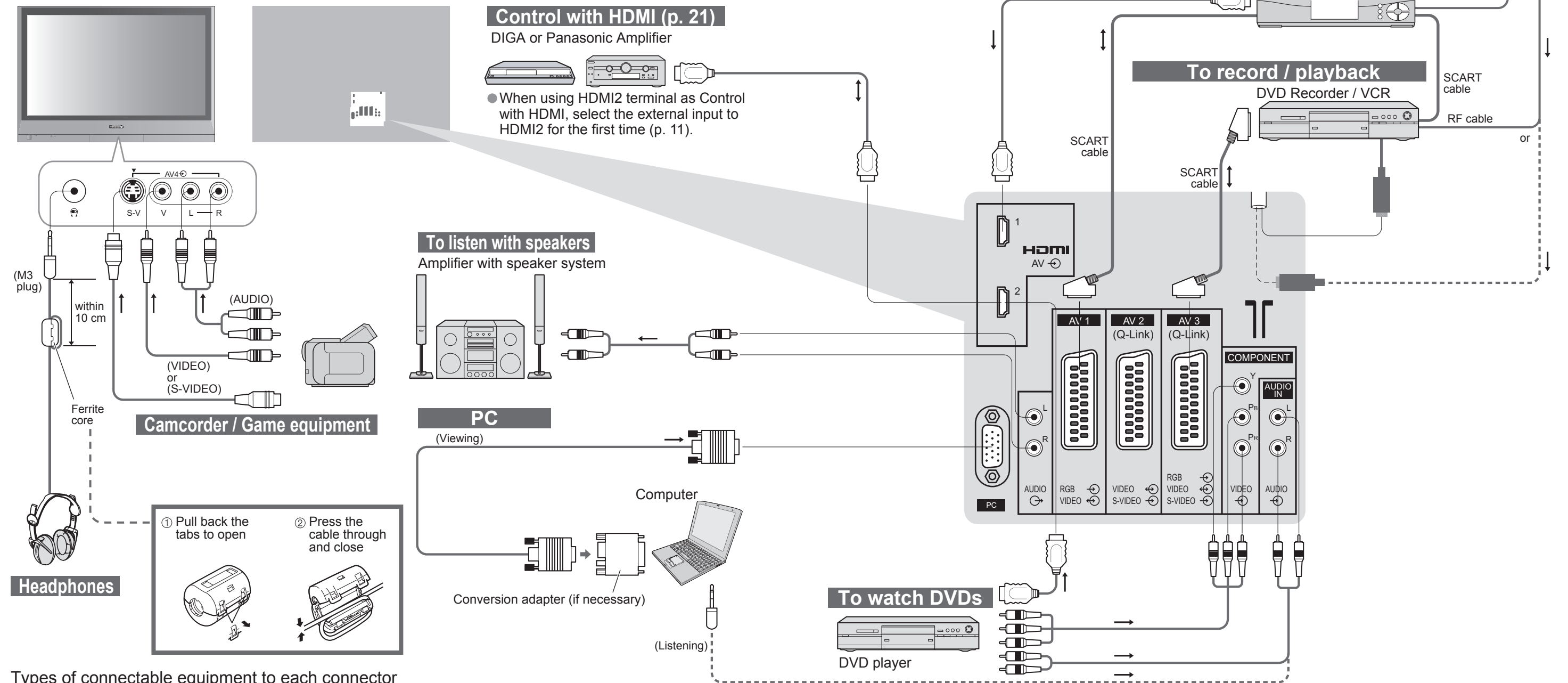
Read the manuals of Panasonic Amplifier or Player theatre for details.

● 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)

External Equipment

Connections (overview)

These diagrams show our recommendations for how to connect the TV unit to your various equipment. For other connections, consult the instructions of each equipment, the table below, and the specifications (p. 31).



Types of connectable equipment to each connector

Connector Recording / Playback (equipment)	 AV1	 AV2	 AV3	 AV4	 COMPONENT	 HDMI	
						1	2
■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)	☐		☐	☐			
■Q-Link		☐	☐				
■Control with HDMI						☐	☐

Technical Information

Aspect Ratio

The optimum size and aspect can be chosen, and you can enjoy finer images. (p. 10)

■ 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 set 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 modes									Aspect Control Signal								
											Widescreen signal (WSS)						Control signal through SCART terminal (pin 8)		
Signal name		Auto aspect	16:9	14:9	Just	4:3	4:3 Full	Zoom1	Zoom2	Zoom3	TV	AV1	AV2	AV3	AV4	Component	AV1	AV2	AV3
TV/AV1/AV2/AV3/AV4	PAL I	○	○	○	○	○	—	○	○	○	○	○	○	○	○	—	○	○	○
	PAL 525/60	○	○	○	○	○	—	○	○	○	—	—	—	—	—	—	○	○	○
	M.NTSC	○	○	○	○	○	—	○	○	○	—	—	—	—	—	—	○	○	○
	NTSC (AV input only)	○	○	○	○	○	—	○	○	○	—	—	—	—	—	—	○	○	○
Component/HDMI	525(480)/60i	○	○	○	○	○	—	○	○	○	—	—	—	—	—	—	—	—	—
	525(480)/60p	○	○	○	○	○	—	○	○	○	—	—	—	—	—	—	—	—	—
	625(576)/50i	○	○	○	○	○	—	○	○	○	—	—	—	—	—	○	—	—	—
	625(576)/50p	○	○	○	○	○	—	○	○	○	—	—	—	—	—	○	—	—	—
	750(720)/50p	○	○	○	○	○	○	○	○	○	—	—	—	—	—	—	—	—	—
	750(720)/60p	○	○	○	○	○	○	○	○	○	—	—	—	—	—	—	—	—	—
	1125(1080)/50i	○	○	○	○	○	○	○	○	○	—	—	—	—	—	—	—	—	—
	1125(1080)/60i	○	○	○	○	○	○	○	○	○	—	—	—	—	—	—	—	—	—
PC input		—	○	—	—	○	—	—	—	—	—	—	—	—	—	—	—	—	—

- 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.)
 - To select the ratio manually: (Only "16:9" or "4:3" in PC mode)

16:9



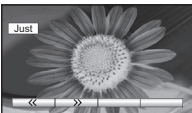
Directly displays the image at "16:9" without distortion (anamorphic).

14:9



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

Just



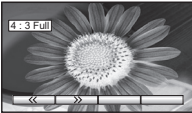
Displays a 4:3 image full-screen. Stretching is only noticeable at the left and right edges.

4:3



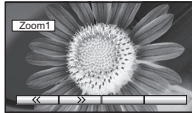
Displays the image at the standard "4:3" without distortion.

4:3 Full



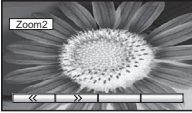
Displays a "4:3" image enlarged horizontally to fit the screen.

Zoom1



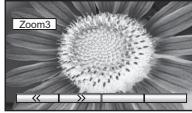
Displays a "16:9" letterbox or "4:3" image without distortion.

Zoom2



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

Zoom3



Displays a "21:9" letterbox (anamorphic) image full-screen without distortion. At "16:9", displays the image at its maximum (with slight enlargement).

HDMI connection

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

- 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.
- Audio settings can be made on the "HDMI1 input" menu screen. (p. 14)
- Applicable audio signal sampling frequencies (2ch L.PCM): 48 kHz, 44.1 kHz, 32 kHz

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

- Note**
- HDMI2 terminal is for digital signal only.
 - Use with a PC is not assumed.
 - The 720p/1080i signals will be reformatted before being displayed on the screen.
 - If the connected equipment has an aspect adjustment function, set the aspect ratio to "16:9".
 - These HDMI connectors are "type A".
 - 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 and 1080i. Match the output setting of the digital equipment.
 - For details of the applicable HDMI signals, see p. 28.

PC connection

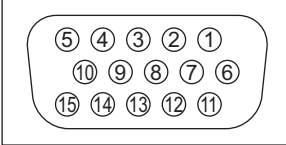
A PC may be connected to this TV unit so that the PC screen is displayed and sound is heard from the TV.

- 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 unit.
 - For details of the applicable PC signals, see p. 28.
 - Max. display resolution

Aspect	Model No.	TH-37PV60E	TH-42PV60E
	4:3	768 × 720 dots	768 × 768 dots
16:9		1,024 × 720 dots	1,024 × 768 dots

● 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	B	⑧	GND (Ground)	⑬	HD/SYNC
④	NC (not connected)	⑨	NC (not connected)	⑭	VD
⑤	GND (Ground)	⑩	GND (Ground)	⑮	NC (not connected)

Control with HDMI

HDMI connections to some Panasonic equipments allow you to enjoy the easy playback or home theatre.

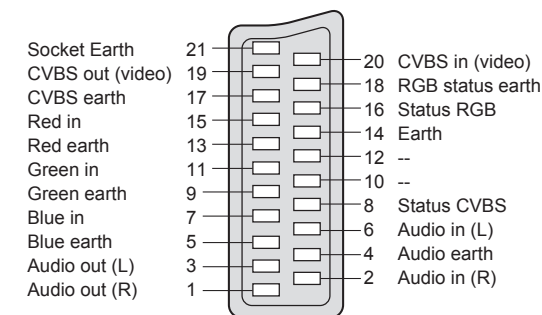
- Setup the equipment to enable this function. Read the manual of the equipment.
- Switch the TV unit on again with the equipment on when connection or setup is changed.
- This function may not work normally depending on the equipment condition.
- The equipment can be operated by TV's remote control with this function on even if TV is in Standby mode.
- 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. Read the manuals of Amplifier.

Technical Information

SCART and S-video terminal information

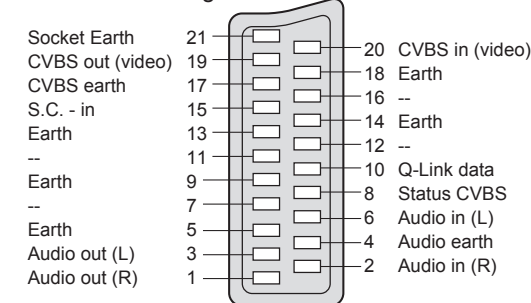
■ AV1 SCART terminal (RGB, VIDEO)

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



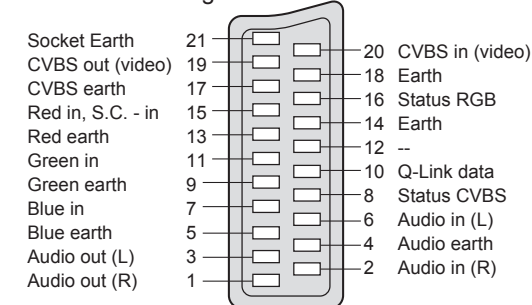
■ AV2 SCART terminal (VIDEO, S-VIDEO, Q-Link)

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

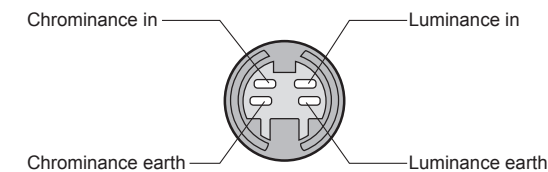


■ AV3 SCART terminal (RGB, VIDEO, S-VIDEO, Q-Link)

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



■ AV4 S-VIDEO 4 pin terminal



Input signal that can be displayed

* Mark: Applicable input signal for Component (Y, P_B, P_R), HDMI and PC (D-sub 15P)

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	Component	HDMI	PC
525 (480) / 60i	15.73	59.94	*	*	
525 (480) / 60p	31.47	59.94	*	*	
625 (576) / 50i	15.63	50.00	*	*	
625 (576) / 50p	31.25	50.00	*	*	
750 (720) / 60p	45.00	60.00	*	*	
750 (720) / 50p	37.50	50.00	*	*	
1,125 (1,080) / 60i	33.75	60.00	*	*	
1,125 (1,080) / 50i	28.13	50.00	*	*	
640 × 400 @70 Hz	31.46	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			*
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			*
Macintosh13" (640 × 480)	35.00	66.67			*
Macintosh16" (832 × 624)	49.72	74.54			*
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.

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.

White spots or shadow images (noise)



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

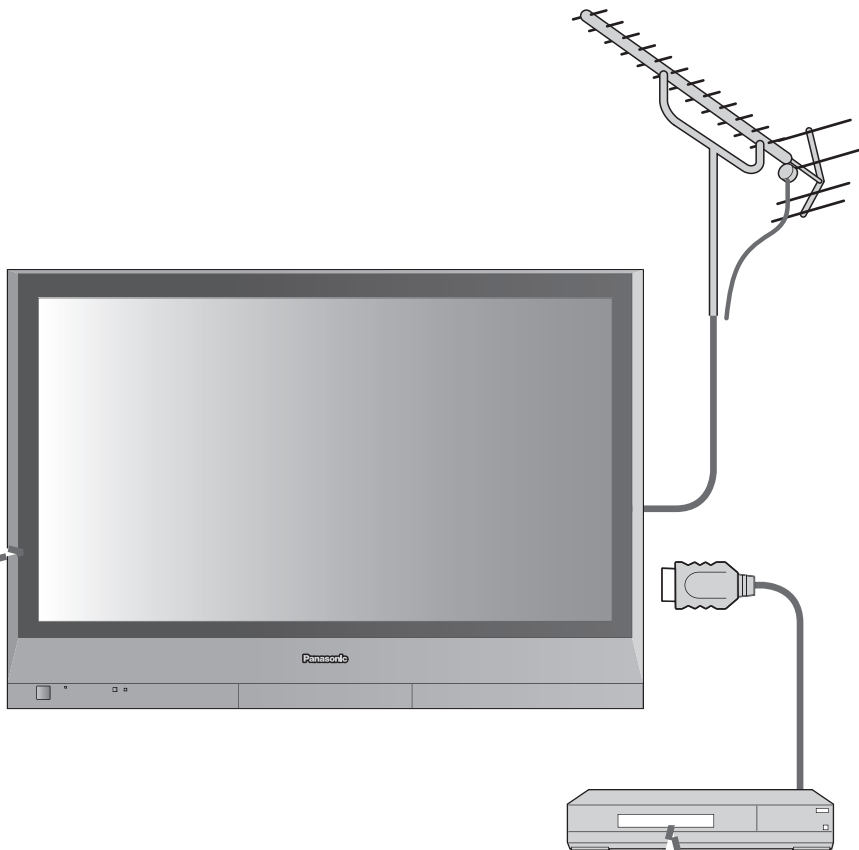
VIERA logo appears at the four corners of the screen

Contrast is reduced

- The function to prevent after-image is activated. (Not a faulty symptom)
- The screen saver is activated if the TV unit is not operated for a certain time in AV mode.
- Contrast is lowered when teletext, radio, menu, etc. lasts for several minutes.
- "after-image" (p. 5)

Only one part remains dark

- A pixel or luminescent spot may occasionally be missing in plasma displays. (Not a faulty symptom)



Pictures from an equipment are unusual when the equipment is connected via HDMI

- Is the HDMI cable connected properly? (p. 24)
- Turn Off the TV unit and equipment, then turn them On again.
- Check an input signal from the equipment. (p. 28)
- Use an equipment compliant with EIA/CEA-861/861B.

The remote control does not work

- Are the batteries installed correctly? (p. 6)
- Has the TV unit been switched On?



FAQs

Problem		Actions
Screen	Chaotic image, noisy	● Set "P-NR" in the Picture menu (to remove noise). (p. 14) ● Check nearby electrical products (car, motorcycle, fluorescent lamp).
	No image can be displayed	● Is "Colour" or "Contrast" in the Picture menu set to the minimum? (p. 14)
	Blurry or distorted image (no sound or low volume)	● Reset channels. (p. 18)
Sound	Neither image nor sound is produced	● Is the unit in "AV mode"? ● Is the mains lead plugged into the socket outlet? ● Is the TV unit turned On? ● Check Picture menu (p. 14) and volume.
	No sound is produced	● Is "Sound Mute" active? (p. 7) ● Is the volume set to the minimum?
	Sound level is low or sound is distorted	● Sound signal reception may be deteriorated. ● Set "MPX" (p. 14) in the Sound menu to "Mono".
	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. 14) ● If digital sound connection has a problem, select analogue sound connection. (p. 27)
HDMI	An error message appears	● Contact the authorized Service Centre.
	"Control with HDMI" function does not work	● Switch the TV unit on again with the equipment on. ● Set "Control with HDMI" to "Off", then set to "On" again. (p. 21)
Other	TV unit goes into "Standby mode"	● The sleep function is activated. ● The TV unit enters "Standby mode" about 30 min. after broadcasting ends.
	An error message appears	● Follow the message's instructions. ● If the problem persists, contact the authorized Service Centre.

Licence

Trademark Credits

- VGA is a trademark of International Business Machines Corporation.
- Macintosh is a registered trademark of Apple Computer, USA.
- S-VGA is a registered trademark of the Video Electronics Standard Association.
- Even if no special notation has been made of company or product trademarks, these trademarks have been fully respected.
- HDMI, the HDMI Logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Specifications

		TH-37PV60E	TH-42PV60E
Power Source	AC 220-240 V, 50 / 60 Hz		
	Average use	241 W	261 W
	Standby condition	0.3 W	
Drive method	AC type		
	Aspect Ratio	16:9	
	Contrast Ratio	Max 10000:1	
Visible screen size (No. of pixels)	94 cmV		106 cmV
	818 mm (W) × 461 mm (H) × 939 mm (diagonal)		920 mm (W) × 518 mm (H) × 1,056 mm (diagonal)
	737,280 (1,024 (W) × 720 (H)) [3,072 × 720 dots]		786,432 (1,024 (W) × 768 (H)) [3,072 × 768 dots]
Speaker	12 cm × 6 cm × 2 pcs, 8 Ω		
	Audio Output	20 W (10 W + 10 W), 10% THD	
	Headphones	M3 (3.5 mm) 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 B, G, H, I, SECAM B, G, SECAM L / L'		
	VHF E2 - E12		VHF H1 - H2 (ITALY)
	VHF A - H (ITALY)		UHF E21 - E69
PAL D, K, SECAM D, K	CATV (S01 - S05)		CATV S1 - S10 (M1 - M10)
	CATV S11 - S20 (U1 - U10)		CATV S21 - S41 (Hyperband)
	PAL 525/60		Playback of NTSC tape from some PAL Video recorders (VCR)
M. NTSC	NTSC (AV input only)		Playback from M. NTSC Video recorders (VCR)
	NTSC (AV input only)		Playback from NTSC Video recorders (VCR)
	Aerial - Rear		
Operating Conditions	Temperature : 0 °C - 40 °C		
	Humidity : 20 % - 80 % RH (non-condensing)		
	21 Pin terminal (Audio/Video in, Audio/Video out, RGB in)		
AV1 (Scart terminal)	21 Pin terminal (Audio/Video in, Audio/Video out, S-Video in, Q-Link)		
	21 Pin terminal (Audio/Video in, Audio/Video out, RGB in, S-Video in, Q-Link)		
	VIDEO RCA PIN Type × 1		1.0 V[p-p] (75 Ω)
AV4	S-VIDEO Mini DIN 4-pin		Y: 1.0 V[p-p] (75 Ω) C: 0.286 V[p-p] (75 Ω)
	AUDIO L - R RCA PIN Type × 2		0.5 V[rms]
	COMPONENT Y		1.0 V[p-p] (including synchronization)
Others	PB, PR		±0.35 V[p-p]
	HDMI1/2 TYPE A Connectors		
	HIGH-DENSITY D-SUB 15PIN		R, G, B/0.7 V[p-p] (75 Ω)
PC	HD, VD/TTL Level 2.0 - 5.0 V[p-p] (high impedance)		
	AUDIO L - R RCA PIN Type × 2		0.5 V[rms]
	AUDIO L - R RCA PIN Type × 2		0.5 V[rms] (high impedance)
Dimensions (W × H × D)	917 mm × 645 mm × 95 mm		1,020 mm × 705 mm × 95 mm
	Weight		
	26.0 kg Net		30.0 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, EN61000-3-2, EN61000-3-3, EN55020, EN55022, EN55024.