SHARP

香港電器安全規格
(國際電工委員會規格適合)

LC-65RX1H

LCD COLOUR TELEVISION
液晶彩色電視機
液晶彩色电视机

OPERATION MANUAL
使用說明書
使用说明书

AQUOS

FULL HD 1080P

SRS TruSurround XT

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

AUDYSSEY EQ

ENGLISH

中文 (繁體)

中文 (简体)

OPERATION MANUAL ENGLISH

ENGLISH

Dear SHARP customer

Thank you for your purchase of the SHARP LCD colour TV product. To ensure safety and many years of trouble-free operation of your product, please read the Important Safety Precautions carefully before using this product.

Contents

Introduction

Dear SHARP customer ... **1**
Contents ... **1**
Important Safety Precautions ... **4**
Supplied accessories ... **5**
Trademarks ... **5**

Preparation

Part names ... **6**
TV (Front/Side) ... 6
TV (Rear) ... 7
Remote control unit ... 8
Before turning on the power ... **9**
Connecting external devices ... **10**
Connecting a VCR, game console or camcorder ... 10
Connecting a DVD player ... 10
Connecting a Digital TV STB (Set Top Box) ... 11
Connecting a PC ... 11
Using Digital Audio Output ... 11
Protecting against overturning ... **12**
Inserting the batteries ... **13**
Using the remote control unit ... **13**
Cautions regarding the remote control unit ... 13
Turning the TV on/off ... **14**
Turning on the power ... 14
Turning off the power ... 14
Initial auto installation ... **14**
About Menu operations ... **15**
What is Menu? ... 15
Basic Menu operations ... 15
About the Guide Display ... 15
TV/AV input mode menu items ... 16
PC input mode menu items ... 17

Watching TV

Setting channels automatically ... **18**
Selecting programmes ... **19**
Adjusting the volume ... **19**
Menu language settings ... **19**
Setting channels to your preference ... **20**
Additional Search ... 20
Manual setting for each channel ... 20
Sorting programmes ... 23
Erasing programmes ... 23
Useful viewing functions ... **24**
Returning to the previously selected channel (Flashback) ... 24
Freezing the image ... 24
Muting the audio temporarily ... 24
Outputting only audio ... 24
Switching the analogue audio format ... 25
Password setting for the child lock (for TV input mode) ... 26

Watching TV (Continued)

Energy conservation settings 27
Auto power-off at a designated time 27
Auto power-off after the end of broadcast 27
Auto power-off when there are no operations performed 27
Ecology 27
Reducing the start-up time 27
Picture size settings 28
Selecting the Wide Screen Signalling (WSS) picture size automatically 28
Selecting the Wide Screen Signalling (WSS) picture size manually 28
Selecting the picture size manually 29
Selecting a preset AV MODE 30
Manual picture settings 31
Picture adjustment 31
Advanced picture settings 32
Other picture settings 33
DNR (Digital Noise Reduction) 33
Adjusting the image position 33
Game Play Time 33
Audio adjustment 34
Output Volume Select 34
Automatic Volume Adjustment 35
Clear Voice 35

Settings when using external devices

Settings when using HDMI output devices 36
Selecting the input source and signal type 38
Selecting input source 38
Selecting input signal type 38
Labelling input sources 39
Skipping HDMI/PC input 39
Colour system settings 39

AQUOS LINK

Controlling HDMI devices using AQUOS LINK 40
AQUOS LINK connection 41
Connecting an AQUOS BD Player via the AQUOS LINK-compatible audio system ... 41
Connecting an AQUOS BD Player only 41
AQUOS LINK Setup 41
AQUOS LINK Auto power on 41
Selecting recorder 42
Operating an AQUOS LINK device 42
Listening with the AQUOS LINK-compatible audio system 42
Listening with the AQUOS TV speaker system 43
Manually changing the AQUOS LINK-compatible audio system's sound mode ... 43
Calling up the menu of an external device connected with the TV via HDMI 43
Playback of titles using AQUOS LINK 43
Selecting media type for CEC-compatible recorder 44
HDMI device selection 44
Recording via the CEC-compatible recorder's EPG (only for recorders) 44

Connecting a PC

Analogue Connection 45
Displaying a PC image on the screen 46
Selecting the picture size 46
Adjusting the PC image automatically 47
Adjusting the PC image manually 47

Connecting a PC (continued)

Input resolution settings **48**
Selecting the input resolution 48
PC Control of the TV **49**
PC compatibility chart **50**
RS-232C commands list **50**

Appendix

Troubleshooting **51**
Error messages about recording using AQUOS LINK **52**
Reset **53**
Identification **53**
Specifications **54**
Optional accessory **54**
Dimensional drawings **55**
Mounting the TV on the wall **56**
Removing the stand 56
Handling and precautions with the wall-mounted TV 57
Wall mounting 58
CLEARING THE PASSWORD **59**
Information on the software license for this product **60**

Important Safety Precautions

- Cleaning — Unplug the AC cord from the AC outlet before cleaning the product. Use a damp cloth to clean the product. Do not use liquid cleaners or aerosol cleaners.

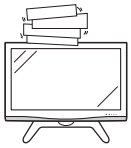
- Water and moisture — Do not use the product near water, such as bathtub, washbasin, kitchen sink, laundry tub, swimming pool and in a wet basement.

- Do not place vases or any other water-filled containers on this product. The water may spill onto the product causing fire or electric shock.

- Stand — Do not place the product on an unstable cart, stand, tripod or table. Doing so can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.

- When relocating the product placed on a cart, it must be moved with utmost care. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.

- Ventilation — The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.

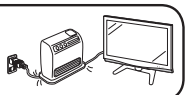


- The LCD panel used in this product is made of glass. Therefore, it can break when the product is struck forcefully or with a sharp object. If the LCD panel is broken, be careful not to be injured by broken glass.

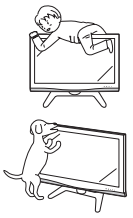
- Heat sources — Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).

- To prevent fire, never place any type of candle or naked flames on the top or near the TV set.

- To prevent fire or shock hazard, do not place the AC power cord under the TV set or other heavy items.



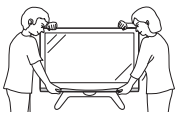
- Do not place heavy objects on this product or stand on it. Doing so could cause injury if the product overturns. Take special care near children and pets.



The LCD panel is a very high technology product with 2,073,600 pixels, giving you fine picture details. Due to the very large number of pixels, occasionally a few non-active pixels may appear on the screen as a fixed point of blue, green or red.
This is within product specifications and does not constitute a fault.

Precautions when transporting the TV

- When transporting the TV, never carry it by holding or otherwise putting pressure onto the display. Be sure to always carry the TV by two people holding it with two hands — one hand on each side of the TV.

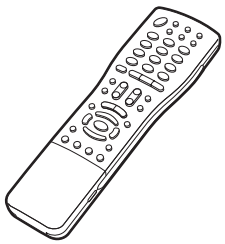
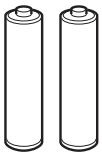
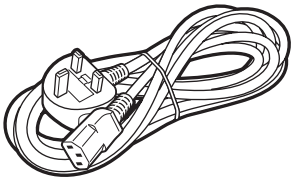
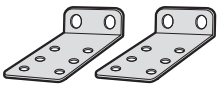
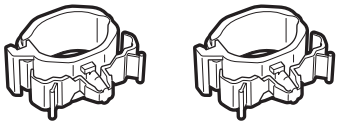


- Do not display a still picture for a long time, as this could cause an afterimage to remain.

- Install the product on the place where the AC cord can be unplugged easily from the AC outlet, or from the AC INPUT terminal on the rear of the product.

Supplied accessories

Make sure the following accessories are provided with the product.

Remote control unit	“AAA” size battery (×2)	AC cord
 Used with batteries inserted. Page 8	 Page 13	 Always use the AC cord supplied with the TV. Page 9
Safety restraints	**Cable clamp (×2)**	**Cable clamp (×2)**
 Restraints brackets Screws for brackets Page 12	 For bundling cables. Page 9	For bundling cables. Page 9
Operation manual		

Trademarks

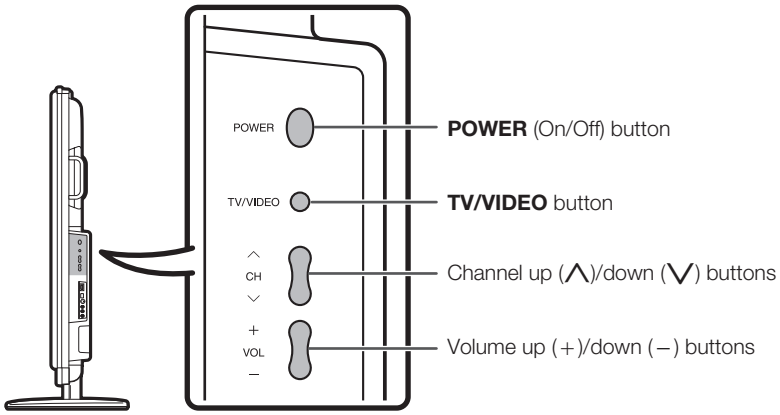
- TruSurround XT, SRS and (●)® symbol are trademarks of SRS Labs, Inc.
  TruSurround XT technology is incorporated under license from SRS Labs, Inc.
- “HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.”

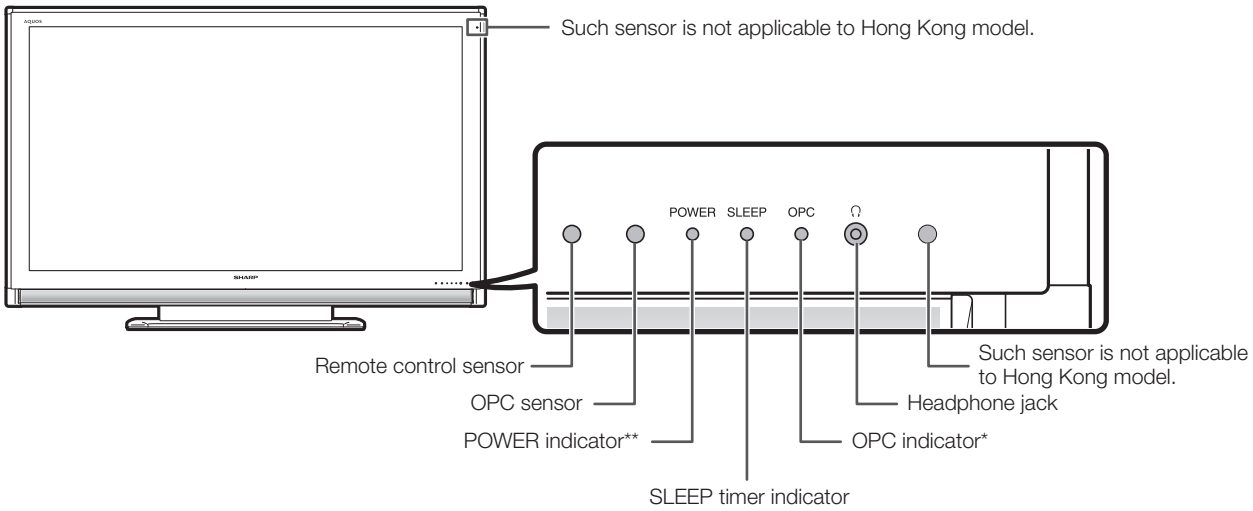
- “x.v.Colour” and x.v.Colour are trademarks of Sony Corporation.

Preparation

Part names

TV (Front/Side)





Regarding the headphone jack

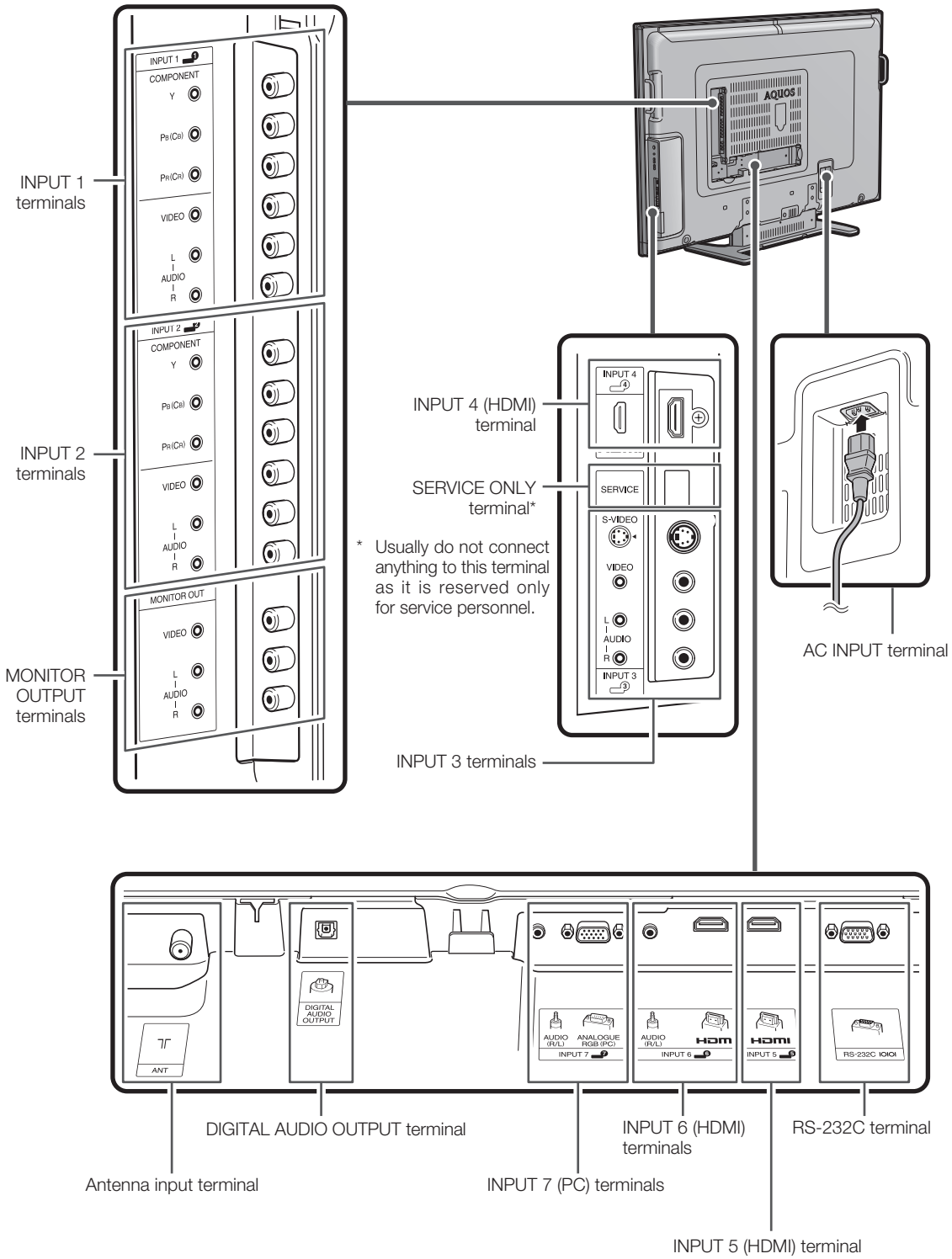
- Use headphones with a stereo mini plug (Ø 3.5 mm).
- Be sure to unplug headphones from the jack when they are not in use.
- The speakers do not output volume when headphones are plugged in.
- The "Audio" menu cannot be operated when headphones are plugged in.
- You can set the volume to different levels for each input source.

Volume display when headphones are plugged in

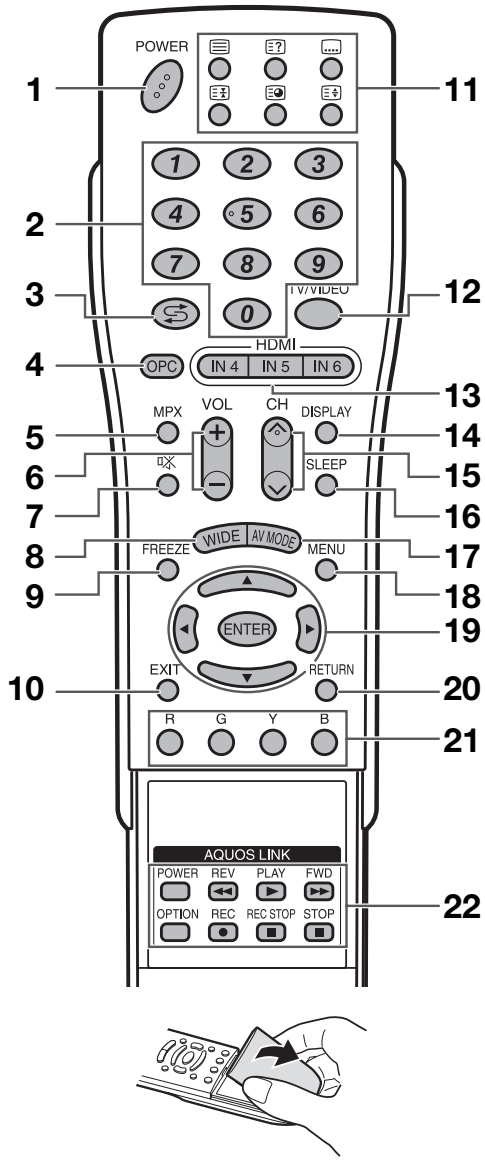
*OPC: Optical Picture Control (See page 31.)
** See page 14 for the TV status indicator.

- The illustrations in this operation manual are for explanation purposes and may vary slightly from the actual operations.

TV (Rear)


INPUT 1 terminals
INPUT 2 terminals
MONITOR OUTPUT terminals
INPUT 4 (HDMI) terminal
SERVICE ONLY terminal*
* Usually do not connect anything to this terminal as it is reserved only for service personnel.
INPUT 3 terminals
AC INPUT terminal
Antenna input terminal
DIGITAL AUDIO OUTPUT terminal
INPUT 7 (PC) terminals
INPUT 6 (HDMI) terminals
INPUT 5 (HDMI) terminal
RS-232C terminal

Remote control unit



1 POWER (STANDBY/ON)
To switch the power on and off. (See page 14.)

2 0 – 9
Set the channel. (See page 19.)

3 ⇆ (Flashback)
Press to return to the previous selected channel or external input mode. (See page 24.)

4 OPC
To switch the Optical Picture Control on and off. (See page 31.)

5 MPX
Select the sound multiplex mode. (See page 25.)

6 VOL + /VOL –
Set the volume. (See page 19.)

7 (Mute)
Mute the sound. (See page 24.)

8 WIDE
Change the wide image mode. (See pages 29 and 46.)

9 FREEZE
Freeze a motion picture on the screen. (See page 24.)

10 EXIT
Turn off the On-Screen Display.

11 Such buttons are not applicable to Hong Kong model.

12 TV/VIDEO (INPUT SOURCE)
Select an input source. (TV, INPUT 1, INPUT 2, INPUT 3, INPUT 4, INPUT 5, INPUT6, INPUT7 (PC)) (See pages 10, 11, 36, 39 and 45.)

13 HDMI
Select an HDMI. (INPUT4, INPUT5, INPUT6) (See pages 10, 11, 36, 39, and 45.)

14 DISPLAY
Displays the channel or input information.

15 CH∧/CH∨
TV input mode: Select the channel. (See page 19.)

16 SLEEP
Set the Sleep timer. (See page 27.)

17 AV MODE
Select a video setting. (See page 30.)

18 MENU
Display the menu screen. (See page 15.)

19 ▲/▼/◀/▶ (Cursor)
Select a desired item on the setting screen.

ENTER
Execute a command.

20 RETURN
MENU mode: Return to the previous menu screen. (See page 15.)

21 Such buttons are not applicable to Hong Kong model.

22 AQUOS LINK buttons
If external equipment such as a AQUOS BD Player is connected via HDMI-certified cables and is AQUOS LINK compatible, you can use these AQUOS LINK buttons. See pages 40 to 44 for details.

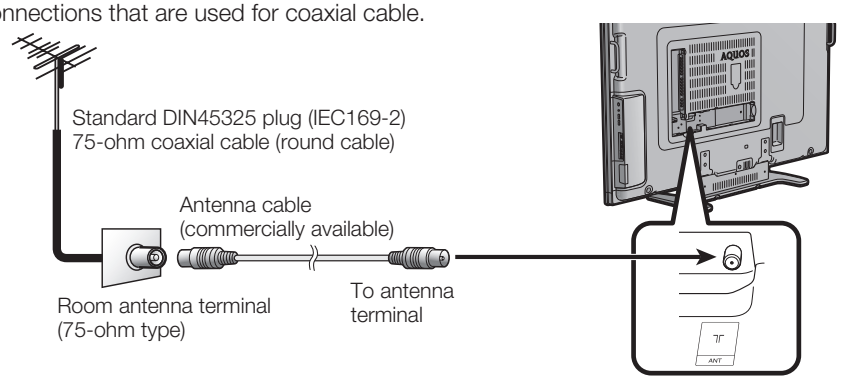
Before turning on the power

Notes on installing the TV

- Avoid direct sunlight and place the TV in a well-ventilated location.
- Place the TV in a level location.
- Do not turn on the power of the TV before connecting the AC cord.

1 Connecting the antenna cable

To enjoy a clearer picture, use an outdoor antenna. The following is a brief explanation of the types of connections that are used for coaxial cable.



2 Connecting external devices

See pages 10 and 11 for connecting external equipment, such as a VCR and DVD player.

3 Connecting the AC cord

CAUTION

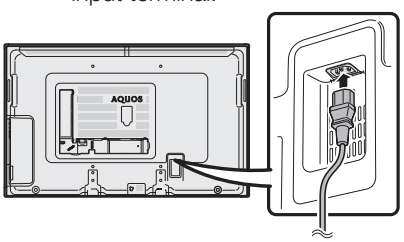
- Do not use a power cord other than the one supplied with the TV.

Be sure to use a power outlet of AC 110-240 V, 50/60 Hz.

Using power supply other than the one specified may cause fire.

- Place the TV close to the AC outlet, and keep the power plug within reach.
- This product must only be connected to an AC 110-240 V, 50/60 Hz, grounded (3-prong) outlet. Connecting it to any other kind of outlet will damage the product and invalidate the warranty.
- Disconnect the AC cord from the AC outlet if the TV will not be used for a long period of time.

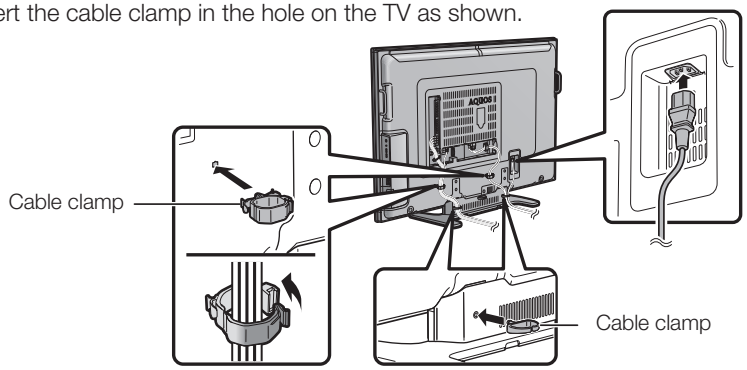
1 Plug the power cord (supplied) into the AC input terminal.



2 Plug the power cord (supplied) into the AC power outlet.

4 Bundling the cables

Insert the cable clamp in the hole on the TV as shown.



CAUTION

- **TO PREVENT RISK OF ELECTRIC SHOCK, DO NOT TOUCH UN-INSULATED PARTS OF ANY CABLES WITH THE AC CORD CONNECTED.**

Connecting external devices

You can connect many types of external equipment to your TV, like a VCR, game console, camcorder, DVD player, Digital TV STB (Set Top Box) and PC. To view exernal source images, select the input source from **TV/VIDEO** on the remote control unit or **TV/VIDEO** on the TV.

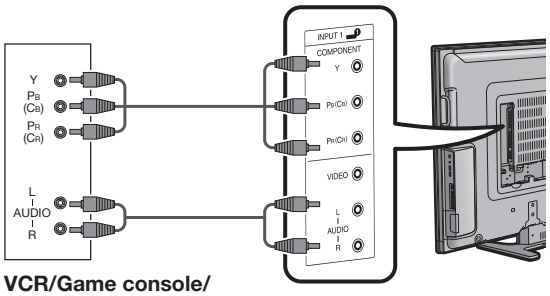
CAUTION

- To protect all equipment, always turn off the TV before connecting to a VCR, game console, camcorder, DVD player, Digital TV STB (Set Top Box), PC or other external equipment.
- Refer to the relevant operation manual (VCR, DVD player, etc.) carefully before making connections.

Connecting a VCR, game console or camcorder

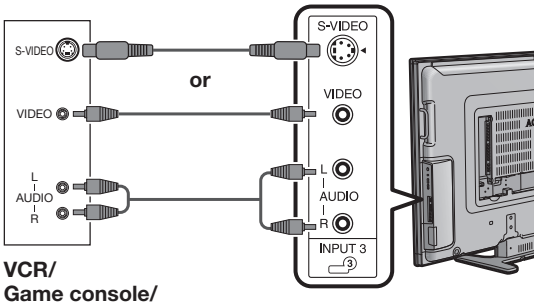
A VCR, game console, camcorder and some other audiovisual equipment can be conveniently connected using the INPUT 1/INPUT 2 (component) or INPUT 3 terminals.

When using component cable (commercially available)



VCR/Game console/ Camcorder

When using composite cable or S-VIDEO cable (commercially available)



VCR/ Game console/ Camcorder

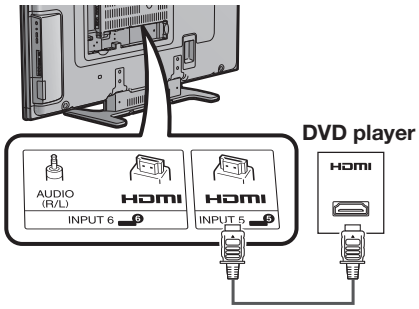
Connecting a DVD player

You can use the INPUT 1/INPUT 2 (component), INPUT 3 or INPUT 4/INPUT 5/INPUT 6 (HDMI) terminals when connecting to a DVD player and other audiovisual equipment.

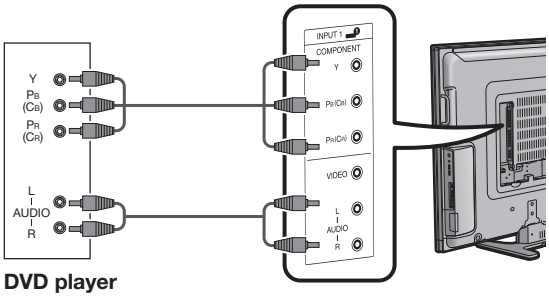
NOTE

- When using a DVI-HDMI conversion adaptor, input the Audio Signal from the AUDIO terminal of INPUT 6. (See page 36.)

When using HDMI cable (commercially available)



When using component cable (commercially available)



DVD player

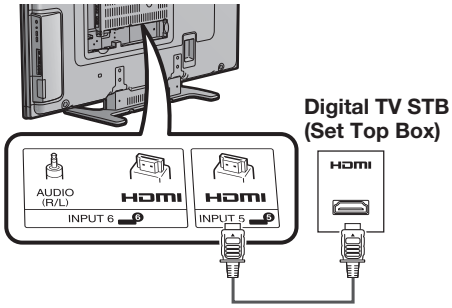
Connecting a Digital TV STB (Set Top Box)

You can use the INPUT 1/INPUT 2 (component) or INPUT 4/INPUT 5/INPUT 6 (HDMI) terminals when connecting to a Digital TV STB (Set Top Box) and other audiovisual equipment.

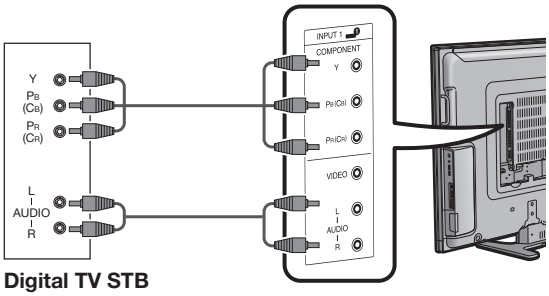
NOTE

- When using a DVI-HDMI conversion adaptor, input the Audio Signal from the AUDIO terminal of INPUT 6. (See page 36.)

When using HDMI cable (commercially available)

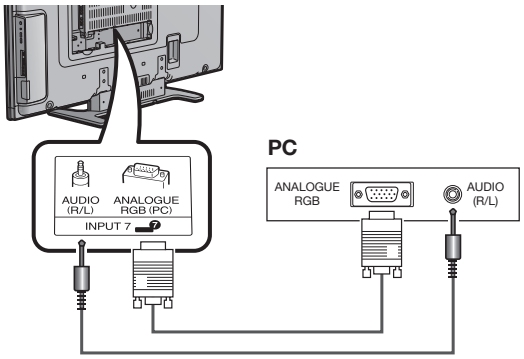


When using component cable (commercially available)



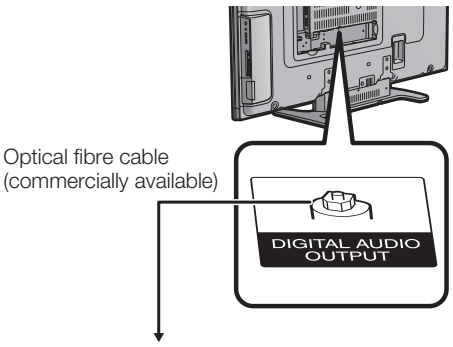
Connecting a PC

You can use the INPUT 7 (PC) terminals when connecting to a PC. (See page 45.)



Using Digital Audio Output

It is possible to output audio through the DIGITAL AUDIO OUTPUT terminal. PCM audio outputs from the terminal.



NOTE

- The DIGITAL AUDIO OUTPUT terminal usually outputs the same audio from the speakers. (The audio of the content you are viewing is output from the terminal.)
- The DIGITAL AUDIO OUTPUT terminal does not output some signals, depending on devices and software.

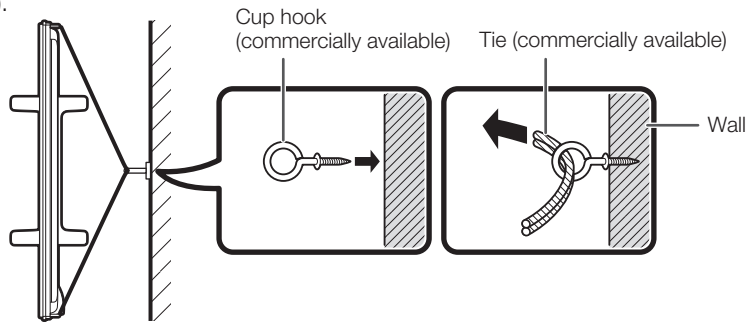
Protecting against overturning

There is a danger of the product overturning in the case of a disaster or sudden collision. Carry out the following tip-resistant measurement for your safety.

Anchoring the TV to the wall or a pillar

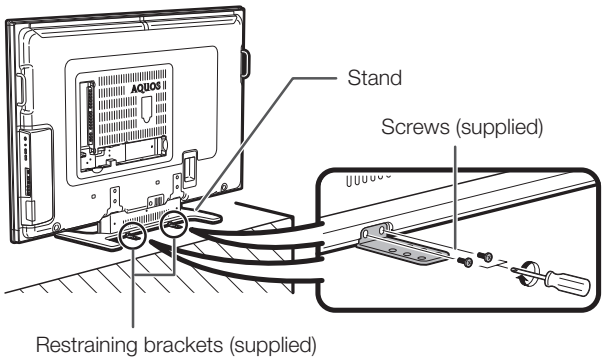
Affix the 2 clamps (supplied) to the product using the screws (supplied).

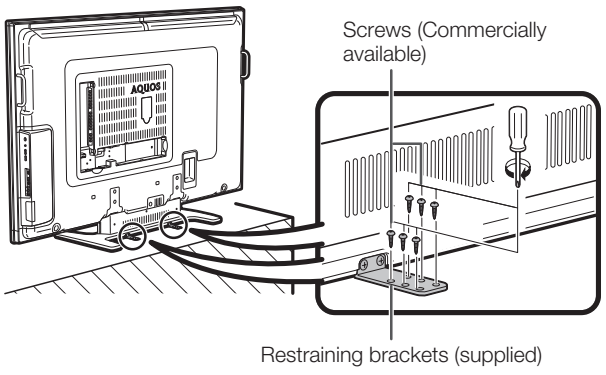
View from the top



Fixing the TV to the table

1. Place the TV on the table.
2. Attach the two supplied restraining brackets to the stand with two supplied screws.
3. Insert commercially available screws in the holes of the restraining brackets from the top and tighten the screws to secure the TV to the table.
   - Use commercially available screws of the proper size to firmly secure the TV.





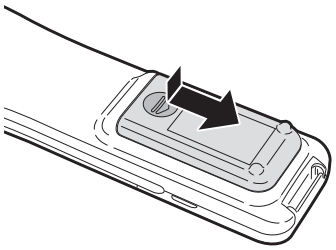
CAUTION

- **As this product is heavy, use a table that is wide enough to support the product and capable of withstanding the product's weight. The table should be set where it will not be overturned.**
- Be sure to use at least two people when moving the TV.

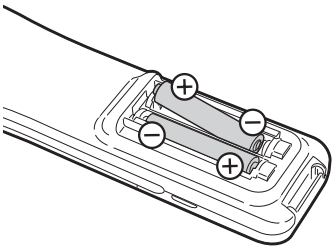
Inserting the batteries

Before using the TV for the first time, insert two “AAA” size batteries (supplied). When the batteries become depleted and the remote control fails to operate, replace the batteries with new “AAA” size batteries.

1 Open the battery cover.

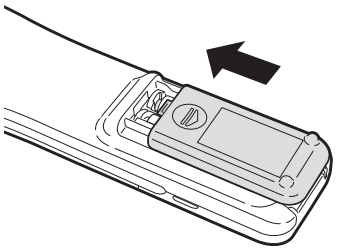


2 Insert the two supplied “AAA” size batteries.



- Place batteries with their terminals corresponding to the (+) and (−) indications in the battery compartment.

3 Close the battery cover.



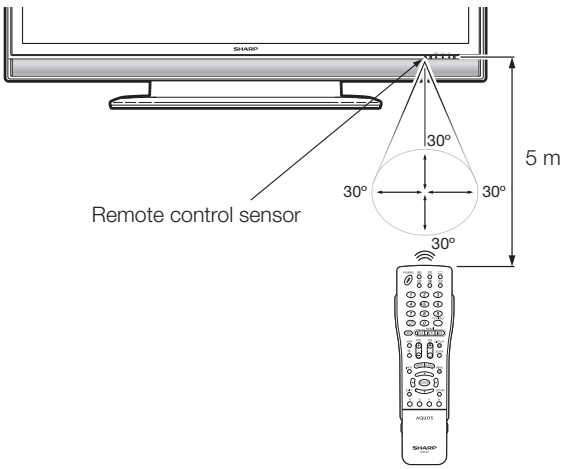
CAUTION

Improper use of batteries can result in chemical leakage or explosion. Be sure to follow the instructions below.

- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they have worn out. Chemicals that leak from batteries can cause a rash. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not be using the remote control unit for an extended period of time, remove the batteries from it.

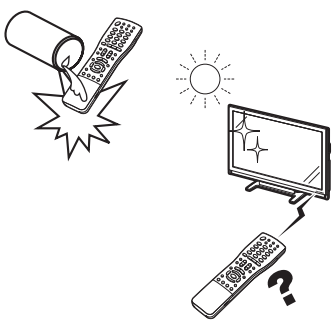
Using the remote control unit

Use the remote control unit by pointing it towards the remote sensor window.
Objects between the remote control unit and sensor window may prevent proper operation.



Cautions regarding the remote control unit

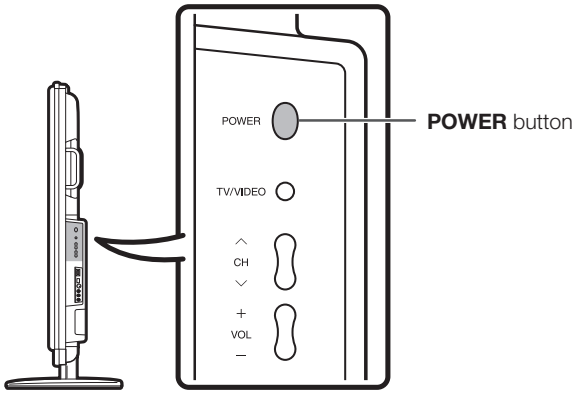
- Do not subject the remote control unit to shock.
  In addition, do not soak the remote control unit with liquids or place it in an area with high humidity.
- Do not install or place the remote control unit under direct sunlight.
  The heat may cause deformation of the unit.
- The remote control unit may not work properly if the remote sensor window of the TV is under direct sunlight or strong lighting. In such cases, change the angle of the lighting or TV, or operate the remote control unit closer to the remote sensor window.

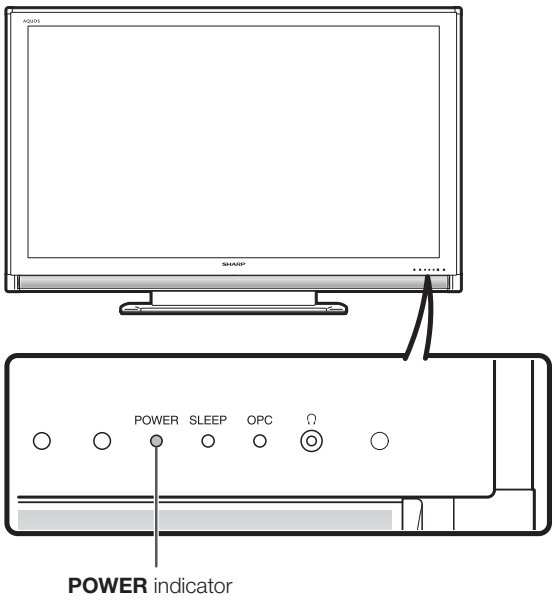


Turning the TV on/off

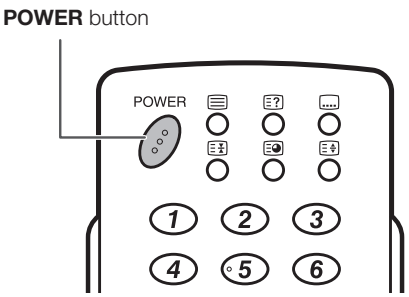
Turning on the power

Press **POWER** on the TV.
- POWER indicator (Green): The TV is on. (After a few seconds, an image appears with sound.)
- After turning the power "ON" by pressing **POWER** on the TV, you can turn the power ON/OFF by pressing **POWER** on the remote control.





Turning off the power



Press **POWER** on the remote control.
- The TV enters standby mode and the image on the screen disappears.
- The POWER indicator on the TV changes from green to red.

Press **POWER** on the TV.
- The POWER indicator on the TV turns off.
- When the TV is turned off by **POWER** on the TV, you cannot turn on the power by pressing **POWER** on the remote control.

POWER indicator

Light off	Power off
Lighted (Red)	The TV is in standby mode.
Lighted (Green)	The TV is on.

NOTE
- If you are not going to use this TV for a long period of time, be sure to remove the AC cord from the AC outlet.
- Minor power is consumed when the unit is in standby mode.

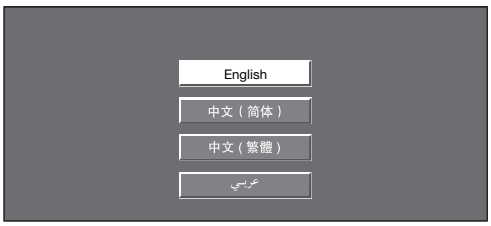
Initial auto installation

When the TV powers on for the first time after purchase, the initial auto installation wizard appears. Follow the menus and make the necessary settings one after another.

Confirm the following before turning on the power.
- Is the antenna cable connected?
- Is the AC cord plugged in?

1 Press **POWER** on the TV.
- The initial auto installation wizard appears.

2 Setting the on-screen display language.



3 Press ▲/▼ to select the desired language, and then press **ENTER**.
- Auto installation will be executed.
- You do not need to do anything during the auto search.

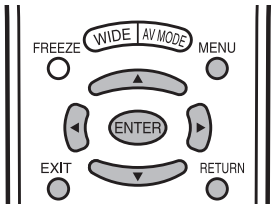
NOTE
- If you press **RETURN** in step 2, the initial auto installation wizard does not appear. The auto installation function allows you to execute the installation again from the Setup menu. (Page 18.)

About Menu operations

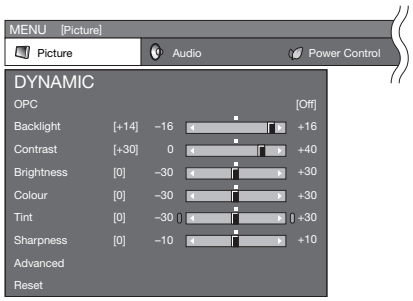
What is Menu?

- You need to bring up the On-Screen Display to perform settings for the TV. The On-Screen Display for the settings is called “Menu”.
- The Menu enables various settings and adjustments. (See pages 16 and 17.)
- The Menu can be operated with the remote control unit.

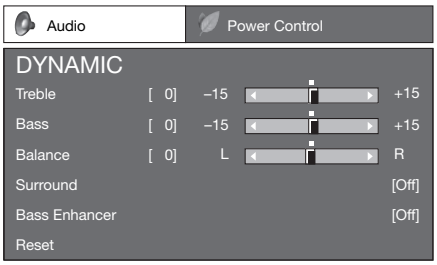
Basic Menu operations



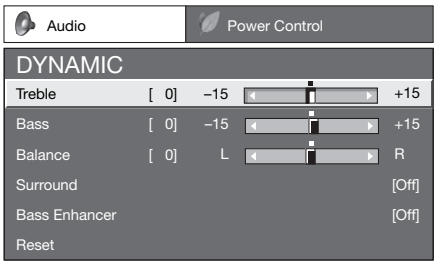
1 Press **MENU** and the MENU screen displays.



2 Press ◀/▶ to select the desired menu, and then press **ENTER**.



3 Press ▲/▼ to select the desired menu item.
Press **ENTER** to proceed if necessary.



4 Press ▲/▼ or ◀/▶ to select the desired item or adjust the item to the desired level. Press **ENTER** if necessary.

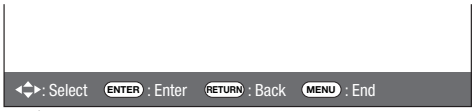
5 Press **EXIT** or **MENU** to exit the MENU.
Press **RETURN** as necessary to return to the previous MENUs.

NOTE

- The screens in the operation manual are for explanation purposes (some are enlarged, others cropped) and may vary slightly from the actual screens.

About the Guide Display

The Guide Display at the bottom of the screen shows operations with an On-Screen Display.



The bar above is an operational guide for the remote control. The bar will change in accordance with each menu setting screen.

TV/AV input mode menu items

List of TV/AV menu items to help you with operations

Picture

OPC ..... Page 31
Backlight ..... Page 31
Contrast ..... Page 31
Brightness ..... Page 31
Colour ..... Page 31
Tint ..... Page 31
Sharpness ..... Page 31
Advanced
- Colour Temp. ..... Page 32
- Fine Motion Advanced ..... Page 32
- Film Mode ..... Page 32
- Active Contrast ..... Page 32
- 3D-Y/C ..... Page 32
- Monochrome ..... Page 32
- Range of OPC ..... Page 32

Reset ..... Page 31

Audio

Treble ..... Page 34
Bass ..... Page 34
Balance ..... Page 34
Surround ..... Page 34
Bass Enhancer ..... Page 34
Reset ..... Page 34

Power Control

No Signal Off ..... Page 27
No Operation Off ..... Page 27
Ecology ..... Page 27

Setup

Auto Installation ..... Page 18
Programme Setup ..... Pages 20 - 23
Child Lock ..... Page 26
Input Skip ..... Page 39
Input Label ..... Page 39
Position ..... Page 33
HDMI Auto View ..... Page 36
WSS ..... Page 28
4:3 Mode ..... Page 28
Standby Mode ..... Page 27
Language ..... Page 19
Identification ..... Page 53
Reset ..... Page 53

Option

AQUOS LINK Setup ..... Pages 40 - 44
DNR ..... Page 33
HDMI Audio Select ..... Page 37
Input Select ..... Page 38
Output Volume Select ..... Page 34
Auto Volume ..... Page 35
Clear Voice ..... Page 35
Audio Only ..... Page 24
Game Play Time ..... Page 33
Colour System ..... Page 39

NOTE

- Some menu items may not be displayed depending on the selected input source.

PC input mode menu items

List of PC menu items to help you with operations

Picture

OPC ..... Page 31
Backlight ..... Page 31
Contrast ..... Page 31
Brightness ..... Page 31
Colour ..... Page 31
Tint ..... Page 31
Sharpness ..... Page 31
Advanced
- Colour Temp. ..... Page 32
- Fine Motion Advanced ..... Page 32
- Film Mode ..... Page 32
- Active Contrast ..... Page 32
- Monochrome ..... Page 32
- Range of OPC ..... Page 32

Reset ..... Page 31

Audio

Treble ..... Page 34
Bass ..... Page 34
Balance ..... Page 34
Surround ..... Page 34
Bass Enhancer ..... Page 34
Reset ..... Page 34

Power Control

No Signal Off ..... Page 27
No Operation Off ..... Page 27
Ecology ..... Page 27

Setup

Input Skip ..... Page 39
Input Signal ..... Page 48
Auto Sync. ..... Page 47
Input Label ..... Page 39
Position ..... Page 33
Fine Sync. ..... Page 47
HDMI Auto View ..... Page 36
Standby Mode ..... Page 27
Language ..... Page 19
Reset ..... Page 53

Option

AQUOS LINK Setup ..... Pages 40 - 44
DNR ..... Page 33
HDMI Audio Select ..... Page 37
Output Volume Select ..... Page 34
Auto Volume ..... Page 35
Clear Voice ..... Page 35
Audio Only ..... Page 24
Game Play Time ..... Page 33

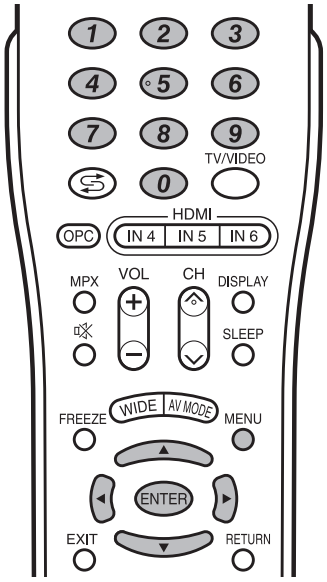
NOTE

- Some menu items may not be displayed depending on the selected input source.

Watching TV

Setting channels automatically

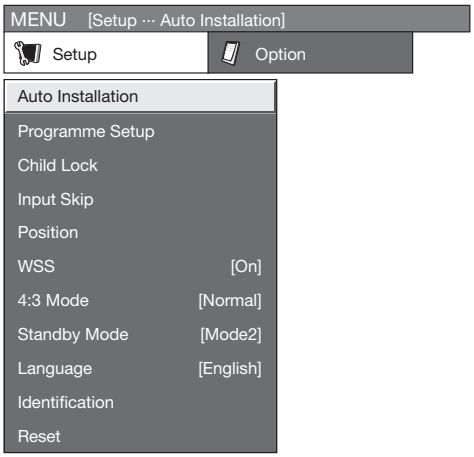
You can run auto installation again, even after setting up the preset channels.



1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Auto Installation”, and then press **ENTER**.



4 If you have already set the password, enter it here.

- See page 26 for setting a password.

– – – –

5 Press ◀/▶ to select “Yes”, and then press **ENTER**.

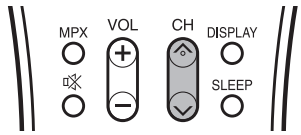
6 Press ▲/▼ to select the desired language listed on the screen, and then press **ENTER**. You do not need to do anything during the auto search.

Selecting programmes

You can change channels in several ways.

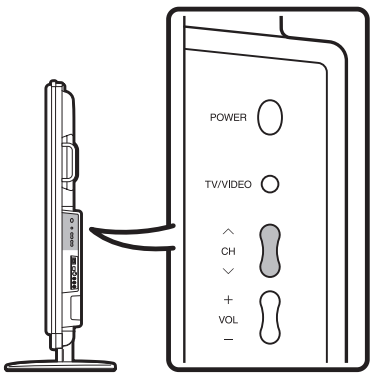
Using CH∧/∨ on the remote control unit

- Press **CH∧** to increase the channel number.
- Press **CH∨** to decrease the channel number.



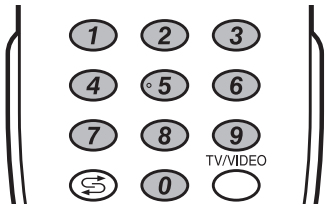
NOTE

- **CH∧/∨** on the TV operates the same as **CH∧/∨** on the remote control unit.



Using 0 - 9 on the remote control unit

Select the channels directly by pressing buttons **0** to **9**.



EXAMPLE

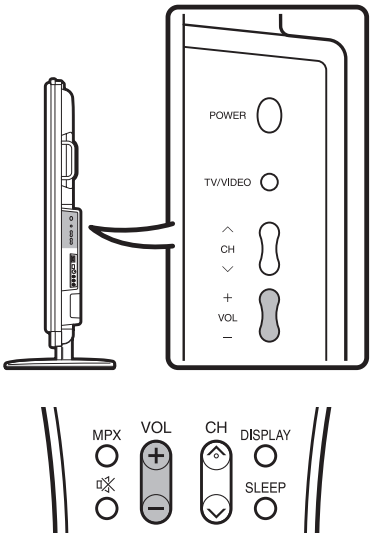
To select a 1-digit channel (e.g. channel 2):

- Press **0**, followed by **2**.

To select a 2-digit channel (e.g. channel 12):

- Press **1**, followed by **2**.

Adjusting the volume



Changing the volume

You can change the volume on the TV or on the remote control unit.

- To increase the volume, press **VOL+**.
- To decrease the volume, press **VOL−**.

NOTE

- "TV", "INPUT1", "INPUT2", "INPUT3", "INPUT4", "INPUT5", "INPUT6" and "INPUT7" (PC) modes can store volume adjustment values separately.

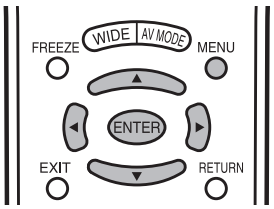
Menu language settings

You can also select a language from setup menu. Select from among 4 languages: English, Simplified Chinese, Traditional Chinese and Arabic.

1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select "Setup".
3. Press ▲/▼ to select "Language", and then press **ENTER**.
4. Press ▲/▼ to select the desired language listed on the screen, and then press **ENTER**.

Setting channels to your preference

You can run the auto search procedure again at any time by accessing the Setup menu and Programme Setup. Channels can be tuned automatically or manually.



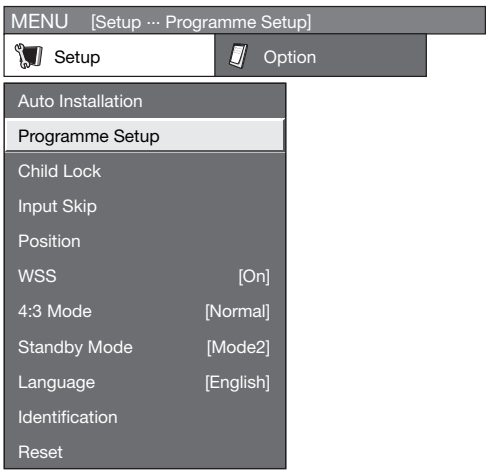
Additional Search

You can also automatically search by performing the procedure below. This is the same function as programme auto search in auto installation.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Programme Setup”, and then press **ENTER**.
If you have already set the password, enter it here.
- See page 26 for setting a password.



4 Press ▲/▼ to select “Additional Search”, and then press **ENTER**.

5 Press ◀/▶ to select “Yes”, and then press **ENTER**.

Manual setting for each channel

You can set some channel items manually. They are Search, Fine (TV frequency), Colour sys., Sound sys., Label (Network name), Skip and Lock (Child Lock).

1 Press **MENU** and the MENU screen displays.

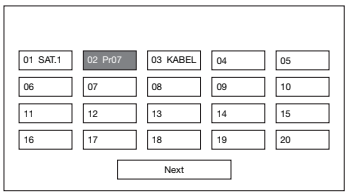
2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Programme Setup”, and then press **ENTER**.
If you have already set the password, enter it here.
- See page 26 for setting a password.

4 Press ▲/▼ to select “Manual Adjust”, and then press **ENTER**.

5 Press ◀/▶ to select “Yes”, and then press **ENTER**.

Programme Setup “Manual Adjust” menu



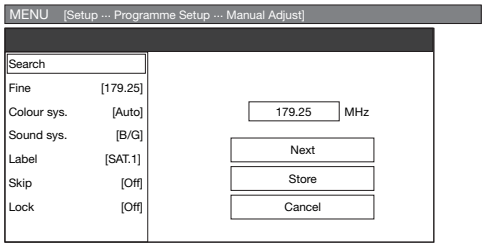
You can select one of the following settings.
① **Search** (See page 21.)
② **Fine** (See page 21.)
③ **Colour sys.** (See page 21.)
④ **Sound sys.** (See page 22.)
⑤ **Label** (See page 22.)
⑥ **Skip** (See page 22.)
⑦ **Lock** (See page 22.)

Manual setting for each channel (continued)

Search tuning

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information displays.

2 Press ▲/▼ to select “Search”, and then press **ENTER**.



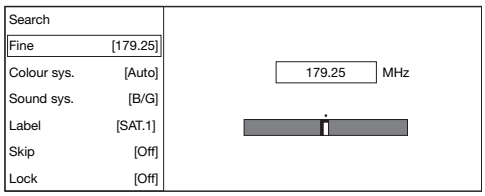
3 Press ▲/▼ to select item and press **ENTER**.
- **Next**: Search the next channel.
- **Store**: Memorise the current display channel.
- **Cancel**: Return to the previous screen. (The search result will not be stored.)

Fine tuning

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information displays.

2 Press ▲/▼ to select “Fine”, and then press **ENTER**.

3 Press ◀/▶ to adjust the frequency, and then press **ENTER**.
- Adjust while checking the background picture as a reference.



- Instead of the method above, you can also set by directly entering the frequency number of the channel with **0 - 9**.
- When setting a frequency on the “Fine” screen, the last figure of the frequency needs to be “0” or “5”.

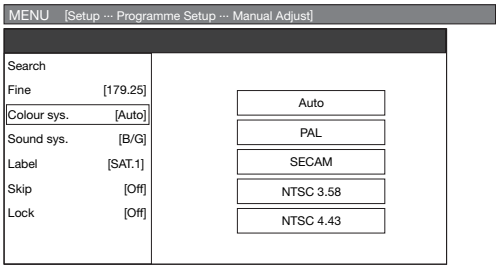
EXAMPLE
- 179.25 MHz: Press **1** → **7** → **9** → **2** → **5**.
- 49.25 MHz: Press **4** → **9** → **2** → **5** → **ENTER**.

Colour system

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information displays.

2 Press ▲/▼ to select “Colour sys.”, and then press **ENTER**.
- Receivable colour systems are listed.

Colour system menu



3 Press ▲/▼ to select the optimum colour system, and then press **ENTER**.

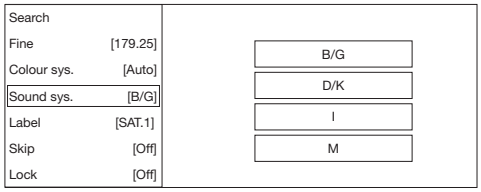
Manual setting for each channel (continued)

Sound system (Broadcasting system)

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information displays.

2 Press ▲/▼ to select “Sound sys.”, and then press **ENTER**.
- Receivable sound systems (Broadcasting systems) are listed.

Sound system menu



3 Press ▲/▼ to select the optimum sound system, and then press **ENTER**.

NOTE
- Check the sound system if the sound output were not correct.

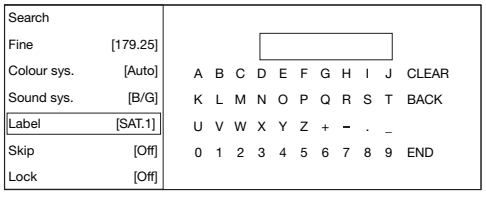
Labelling channels

When a TV channel sends its Network Name, the auto installation detects the information and assigns a name to it. However, you can change individual channel names.

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information displays.

2 Press ▲/▼ to select “Label”, and then press **ENTER**.
- The alphabet and numbers are listed.

Labelling menu



3 Press ▲/▼/◀/▶ to select each character of the new name for the channel, and then press **ENTER**.

4 Repeat until the name is fully spelt out.
- The name can be 5 characters or less.
- When you want to set a channel name of less than 5 characters, select “END”.

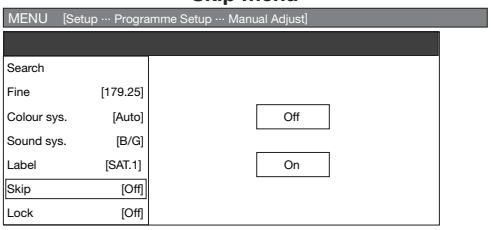
Skipping channels

Channels with “Skip” set to “On” are passed over when using **CH**∧/∨ even if selected while watching the image from the TV.

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information will be displayed.

2 Press ▲/▼ to select “Skip”, and then press **ENTER**.
- Skip menu displays.

Skip menu



3 Press ▲/▼ to set “Skip” to “On”, and then press **ENTER**.

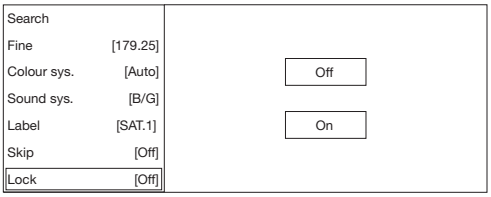
Setting the child lock

You can block the viewing of any channel.

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information will be displayed.

2 Press ▲/▼ to select “Lock”, and then press **ENTER**.
- Child lock menu will be displayed

Lock menu



3 Press ▲/▼ to set “Lock” to “On”, and then press **ENTER**.

NOTE
- See page 26 for setting a password.
- If “Lock” is set to “On” for a channel, “Child lock has been activated” is displayed when you select the channel, and the image and sound of the channel is blocked.
- When pressing **RETURN** while “Child lock has been activated” is displayed, password input menu will be displayed. Inputting the correct password lifts the child lock temporarily until the power is turned off.

Sorting programmes

Channel positions can be sorted freely.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Programme Setup”, and then press **ENTER**.
If you have already set the password, enter it here.
• See page 26 for setting a password.

4 Press ▲/▼ to select “Sort”, and then press **ENTER**.

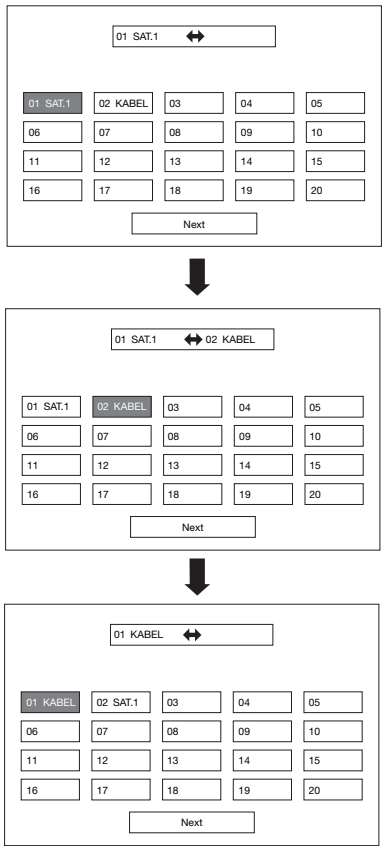
5 Press ◀/▶ to select “Yes”, and then press **ENTER**.

6 Press ▲/▼/◀/▶ to select the channel you want to move, and then press **ENTER**.

7 Move it to the desired position by pressing ▲/▼/◀/▶, and then press **ENTER**.

8 Repeat the steps 6 and 7 until all desired channels are sorted.

Sort menus



Erasing programmes

The individual programme can be erased.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Programme Setup”, and then press **ENTER**.
If you have already set the password, enter it here.
• See page 26 for setting a password.

4 Press ▲/▼ to select “Erase Programme”, and then press **ENTER**.

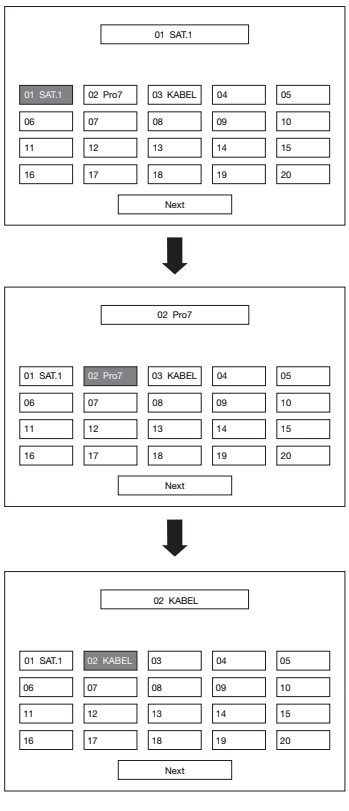
5 Press ◀/▶ to select “Yes”, and then press **ENTER**.

6 Press ▲/▼/◀/▶ to select the channel you want to erase, and then press **ENTER**.
• A message screen pops up.

7 Press ◀/▶ to select “Yes”, and then press **ENTER** to erase the selected programme. All the subsequent programmes move up.

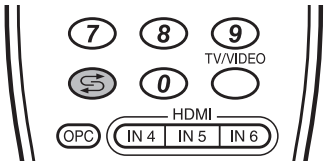
8 Repeat the steps 6 and 7 until all desired channels are erased.

Erase programme menus



Useful viewing functions

Returning to the previously selected channel (Flashback)

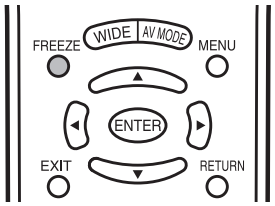


Press ⇆ to switch the currently tuned channel to the previously tuned channel.
Press ⇆ again to switch back to the currently tuned channel.

Press ⇆ to toggle between the currently selected input source and the previously selected one.

Freezing the image

Allows you to capture and freeze one frame from a moving image that you are watching.



1 Press **FREEZE**.
- Captures one frame from a moving image.

2 Press **FREEZE** again to cancel the function.

NOTE
- The still image automatically goes out after 30 minutes.

Muting the audio temporarily

Using Mute (🔇) on the remote control unit

🔇 mutes the current sound output.

1 Press 🔇.
- The sound is silenced.
- "🔇" is displayed while the mute function is on.

Mute

2 Press 🔇 again within 30 minutes to cancel the mute.
- Before 30 minutes, the volume level returns to the previous setting.

NOTE
- **Mute will be cancelled after 30 minutes. However, the TV will not suddenly output loud sound as the volume level will be set to 0 automatically. Increase the volume level by pressing VOL+.**

Outputting only audio

When listening to music from a music programme, you can set the display off and enjoy audio only.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select "Option".

3 Press ▲/▼ to select "Audio Only", and then press **ENTER**.

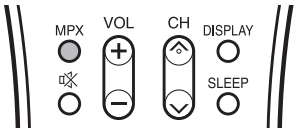
4 Press ◀/▶ to select "On", and then press **ENTER**.

Selected item	Description
On	Audio is output without screen image.
Off	Both screen images and audio are output.

NOTE
- When you make operations that change the picture on the TV such as by changing the input source, the Audio Only function is set to "Off".

Switching the analogue audio format

You can switch between multiple audio modes when watching a multiple audio or stereo broadcast programme.

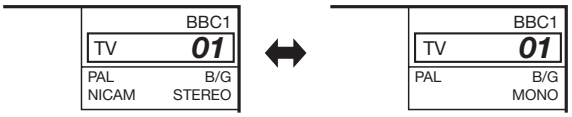


In the NICAM TV broadcasts

When receiving a stereo signal

Each time you press **MPX**, the mode switches between NICAM STEREO and MONO.

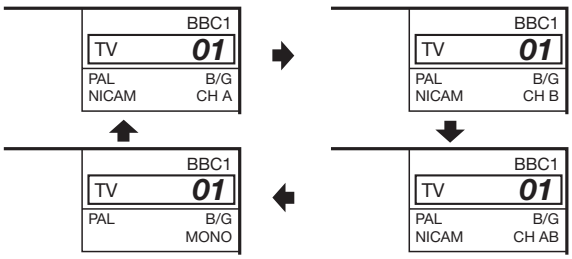
Stereo mode



When receiving a bilingual signal

Each time you press **MPX**, the mode switches among NICAM CH A, NICAM CH B, NICAM CH AB and MONO.

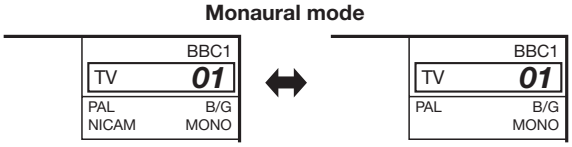
Bilingual mode



When receiving a monaural signal

Each time you press **MPX**, the mode switches between NICAM MONO and MONO.

Monaural mode

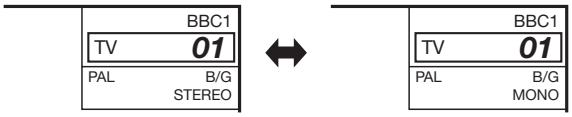


In the TV mode of A2 TV broadcasts

When receiving a stereo signal

Each time you press **MPX**, the mode switches between STEREO and MONO.

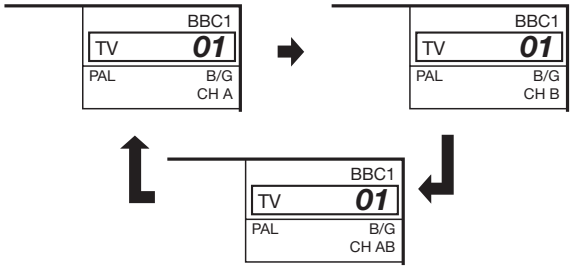
Stereo mode



When receiving a bilingual signal

Each time you press **MPX**, the mode switches among CH A, CH B and CH AB.

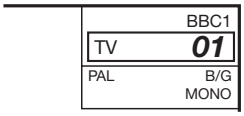
Bilingual mode



When receiving a monaural signal

When you press **MPX**, “MONO” displays.

Monaural mode

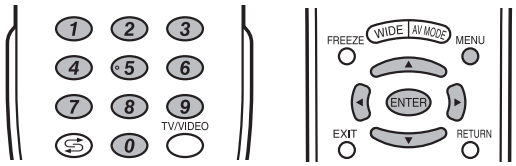


NOTE

- “BBC1”, “99” and “PAL” are tentative network name, channel and colour system.

Password setting for the child lock (for TV input mode)

Allows you to use a password to protect certain settings from being accidentally changed.



Setting a password

Register a 4-digit password number to use the Child Lock function.

1 Press **MENU** and the MENU screen displays.

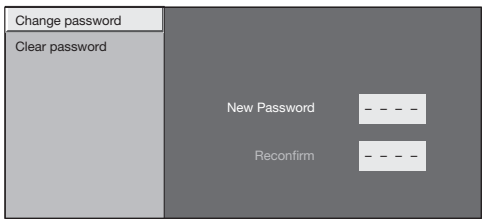
2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Child Lock”, and then press **ENTER**.

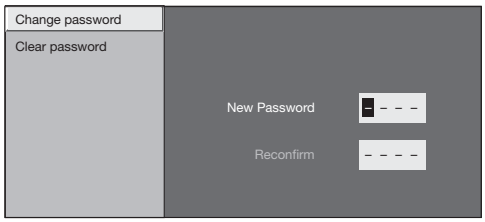
4 If you have already set the password, enter it here.

– – – –

5 Press ▲/▼ to select “Change password”, and then press **ENTER**.



6 Enter the 4-digit number as a password using **0** - **9**.



7 Enter the same 4-digit number as in step 6 to confirm.

- “The new password was registered” displays.

NOTE

- To view a locked channel (Lock setting in Programme Setup “Manual Adjust” is set to “On”), you must enter a password. (See page 22.) When you select a locked channel, a password prompt message pops up. Press **RETURN** to display the password input window.

Clearing the password

Allows you to clear your password.

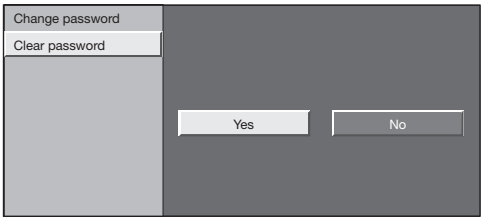
1 Repeat steps 1 to 3 in **Setting a password**.

2 Enter the password.

– – – –

3 Press ▲/▼ to select “Clear password”, and then press **ENTER**.

4 Press ◀/▶ to select “Yes”, and then press **ENTER**.



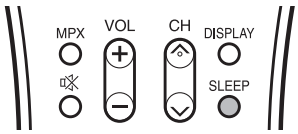
NOTE

- **As a precautionary measure, make a note of your password and keep it in a familiar place. If you lose or forget your password, initialise the TV to return all settings except for the TV channel settings to factory preset values. (See page 59.)**
- This function is only available for TV input mode.
- To relock a channel which has been temporarily unlocked by inputting the correct password, turn power off and then on again.

Energy conservation settings

Auto power-off at a designated time

This function is conveniently used when, for instance, going to bed while watching TV.



1 Press **SLEEP**.
- Remaining time displays when sleep timer has been set.

Sleep Timer: Remain 2 hr. 00 min.

2 Each time you press **SLEEP**, the remaining time switches as shown below.

0 hr. 30 min. → **1 hr. 00 min.** → **1 hr. 30 min.**
↓
2 hr. 00 min. → **2 hr. 30 min.** → **Off**

NOTE
- The sleep timer indicator on the TV lights up when the time has been set.
- When the time has been set, countdown automatically starts.
- Five minutes before the preset of time expires, the remaining time displays each minute.
- Select “Off” by pressing **SLEEP** to cancel the sleep timer.

Auto power-off after the end of broadcast

You can set the TV to automatically power off in about 15 minutes after the TV goes into a state of receiving no programme signals, such as the end of a broadcast day.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Power Control”.
- Power control menu displays.

3 Press ▲/▼ to select “No Signal Off”, and then press **ENTER**.

4 Press ◀/▶ to select “Enable”, and then press **ENTER**.
- Five minutes before the power shuts down, the remaining time displays every minute.

NOTE
- “Disable” is the factory preset value.
- When a TV programme finishes and the TV receives signal input, this function may not operate.

Auto power-off when there are no operations performed

You can set the TV to automatically power off when no TV operation is performed for more than 3 hours.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Power Control”.
- Power control menu displays.

3 Press ▲/▼ to select “No Operation Off”, and then press **ENTER**.

4 Press ▲/▼ to select “30 min.” or “3 hr.”, and then press **ENTER**.
- Five minutes before the power shuts down, the remaining time displays every minute.

NOTE
- “Disable” is the factory preset value.

Ecology

When set to “Yes”, The TV activates the following power saving mode.
- “OPC” set to “On” (Page 31)
- “Standby Mode” set to “Mode2” (Page 27)
- “No Operation Off” set to “3 hr” (Page 27)
- “No Signal Off” set to “Enable” (Page 27)

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Power Control”, and then press **ENTER**.
- Power control menu displays.

3 Press ▲/▼ to select “Ecology”, and then press **ENTER**.

4 Press ◀/▶ to select “Yes”, and then press **ENTER**.

NOTE
- Ecology mode cannot be deactivated by selecting “No”. Each setting must be changed individually to deactivate Ecology mode.

Reducing the start-up time

You can reduce the TV's start-up time after turning on the power with the remote control unit.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Standby Mode”, and then press **ENTER**.

4 Press ◀/▶ to select “Mode1” or “Mode2”, and then press **ENTER**.

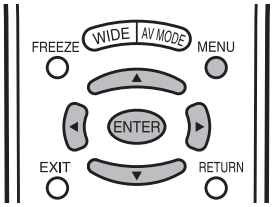
Selected item	Description
Mode1	Starting the TV is quick from standby.
Mode2	Power consumption is small during standby.

5 Press **MENU** to exit.

Picture size settings

Selecting the Wide Screen Signalling (WSS) picture size automatically

WSS allows a television to switch automatically among the different screen formats.



1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “WSS”, and then press **ENTER**.

4 Press ◀/▶ to select “On” or “Off”, and then press **ENTER**.

NOTE

- Try to set WIDE mode if an image does not switch to the correct screen format. When the broadcast signal contains no WSS information, the function will not work even if enabled.

Selecting the Wide Screen Signalling (WSS) picture size manually

The WSS signal has 4:3 auto-switching that allows you to select between Panorama and Normal.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “4:3 Mode”, and then press **ENTER**.

4 Press ◀/▶ to select “Panorama” or “Normal”, and then press **ENTER**.

WSS signal 4:3 screen

4:3 mode “Panorama”

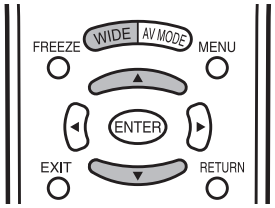
4:3 mode “Normal”

Selected item	Description
Panorama	Wide image without side bars
Normal	Normal range keeping 4:3 or 16:9 aspect ratio

Selecting the picture size manually

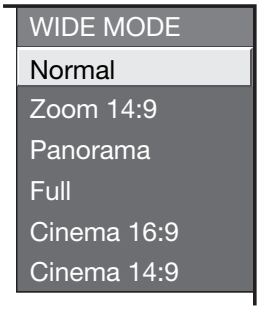
Manual Selection

You can select different picture sizes that account for the kind of each picture.



1 Press **WIDE**.

- The WIDE MODE menu displays.
- The menu lists the wide mode options selectable for the type of video signal currently received.



2 Press **WIDE** or ▲/▼ while the WIDE MODE menu displays on the screen.

- As you toggle down the options, each mode is immediately reflected on the TV.

Auto Selection

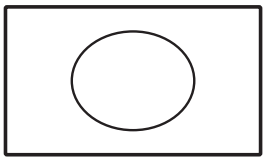
If you set “WSS” and “4:3 Mode” in the Setup menu on page 28, the optimum WIDE mode is automatically chosen for every broadcast containing the WSS information.

“WSS” menu

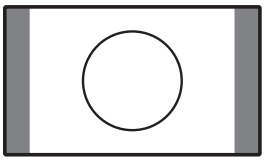
To enable Auto Selection, set “WSS” in the Setup menu to “On”. (See page 28.)

“4:3 Mode” menu

To set the type of the wide screen, select “Panorama” or “Normal” in the 4:3 Mode menu. (See page 28.)



4:3 Mode set to “Panorama”

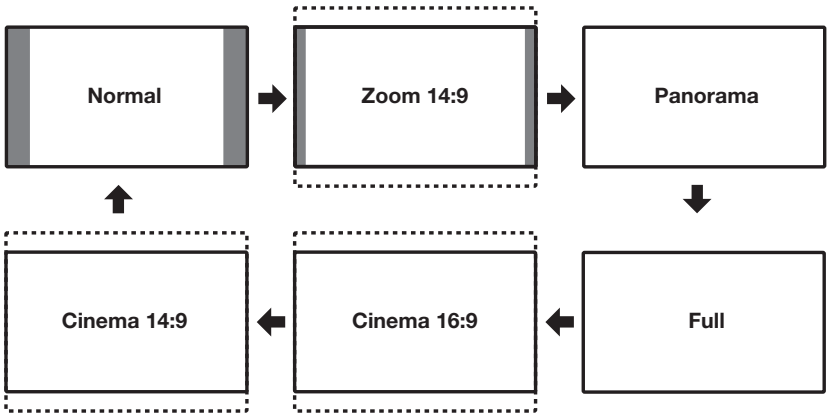


4:3 Mode set to “Normal”

NOTE

- If the broadcast signal contains no WSS information, Auto Selection will not function even when the WSS option is enabled.

Selected item	Description
Normal	For 4:3 “standard” pictures. A side bar appears on each side.
Zoom 14:9	For 14:9 letterbox pictures. A thin side bar appears on each side, and you may also see bars on the top and bottom with some programmes.
Panorama	In this mode the picture is progressively stretched toward each side of the screen.
Full	For 16:9 squeeze pictures.
Cinema 16:9	For 16:9 letterbox pictures. Bars may appear on the top and bottom with some programmes.
Cinema 14:9	For 14:9 letterbox pictures. Bars may appear on the top and bottom with some programmes.
Dot by Dot	Displays an image with the same number of pixels on the screen (only when receiving a 1080i/1080p signal via component or HDMI terminals).
Underscan	Display with an Underscan image only when receiving a 720p signal. Display with the High-Definition image adjusted optimally. Noise may appear on the edge of the screen with some programmes.



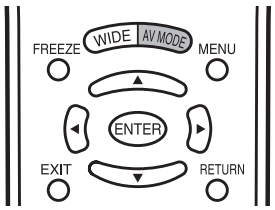
NOTE

- Some picture sizes may not be displayable depending on the input signal.

Selecting a preset AV MODE

The AV MODE function enables you to select appropriate settings for audio and video to account for the system environment which can vary due to factors like room brightness, type of programme watched or the type of image input from external equipment.

Using AV MODE on the remote control unit



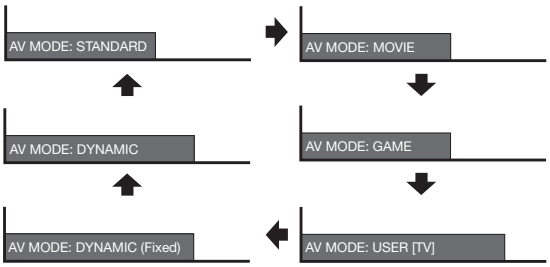
1 Press **AV MODE**.

- Present AV MODE displays.

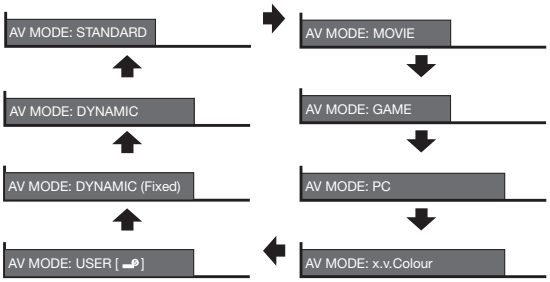
2 Press **AV MODE** again before the mode displayed on the screen disappears.

- The mode changes as shown below.

When the input source is TV, INPUT1, 2 or 3 terminal (Example)



When the input source is INPUT4, 5, 6 or 7 terminal (Example)



Selected item	Description
STANDARD	For a highly defined image in a normally bright room
MOVIE	For a movie
GAME	Lowers image brightness for easier viewing.
PC*	For PC. (Available only when inputting an RGB signal.)
x.v.Colour**	Produce realistic colour on the TV screen unlike any other signal.
USER	Allows the user to customise settings as desired. You can set the mode for each input source.
DYNAMIC (Fixed)	Changes the image and sound settings to the factory preset values. No adjustments are allowed.
DYNAMIC	For a clear-cut image emphasising high contrast for sports viewing

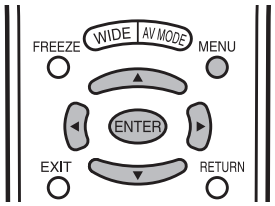
NOTE

- The item marked with * is available only when selecting “INPUT4”, “INPUT5”, “INPUT6” or “INPUT7” from the INPUT SOURCE menu.
- The item marked with ** is available only when accepting an x.v.Colour signal through an HDMI terminal.
- You can select a different AV MODE item for each input mode. (For example, select “STANDARD” for TV input and “DYNAMIC” for VIDEO input.)

Manual picture settings

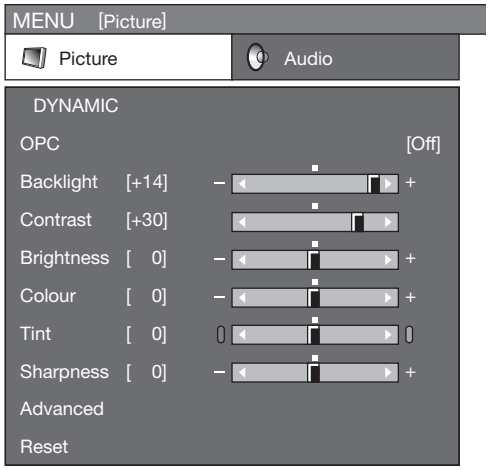
Picture adjustment

You can adjust the picture to your preference.
Follow the steps to adjust the picture.



1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Picture”.



3 Press ▲/▼ to select the desired menu item.
Press **ENTER** to proceed if necessary.

4 Press ▲/▼ or ◀/▶ to select the desired item or adjust the item to the desired level. Press **ENTER** if necessary.

NOTE

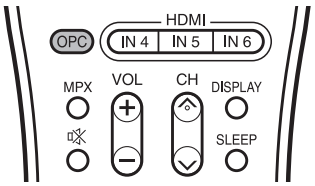
- For resetting all adjustment items to factory preset values, press▲/▼ to select “Reset”, press **ENTER**, press ◀/▶ to select “Yes”, and then press **ENTER**.
- Select “Advanced” and then press **ENTER** to set “Colour Temp.”, “Fine Motion Advanced”, “Film Mode”, “Active Contrast”, “3D-Y/C”, “Monochrome” or “Range of OPC”. (See page 32.)
- When adjusting the backlight, the OPC will be turned off automatically.

Selected item	◀button	▶button
OPC	Sets whether or not the screen brightness is automatically adjusted according to the lighting condition in the room. (OPC setting: See this page.)	
Backlight	The screen dims	The screen brightens
Contrast	For less contrast	For more contrast
Brightness	For less brightness	For more brightness
Colour	For less colour intensity	For more colour intensity
Tint	Skin tones become purplish	Skin tones become greenish
Sharpness	For less sharpness	For more sharpness
Advanced	For finer picture adjustments. (See page 32.)	
Reset	Resets all picture adjustment items to the factory preset values.	

■ OPC (Optical Picture Control) setting

You can set the TV to automatically adjust the screen to suitable backlight brightness according to the lighting conditions.

Using OPC on the remote control unit



Press **OPC** to switch the OPC function on and off.

Using OPC on the menu screen

Selected item	Description
Off	The brightness is fixed at the value set in “Backlight” (See this page).
On	Automatically adjusts
On: Display	Displays the OPC effect on the screen while adjusting the brightness of the screen.

OPC indicator

Light off	“Off” is selected in the OPC setting.
Lighted (Green)	“On” or “On: Display” is selected in the OPC setting.

NOTE

- Make sure no object obstructs the OPC sensor, which could affect its ability to sense surrounding light.

Advanced picture settings

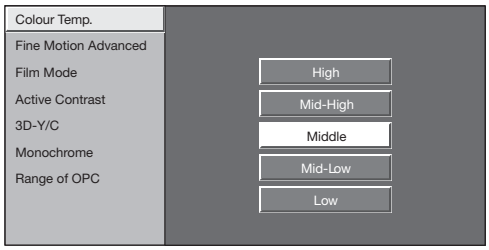
The advanced settings enable you to set the picture adjustment in more detail. There are seven options you can choose from.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Picture”.

3 Press ▲/▼ to select “Advanced”, and then press **ENTER**.

4 Press ▲/▼ to select the desired menu, and then press **ENTER**.



5 Press ▲/▼ or ◀/▶ to select the desired level, and then press **ENTER**.

■ Colour Temp. (Colour temperature)

Adjusts the colour temperature to give the best white image.

Selected item	Description
High **Mid-High** **Middle** **Mid-Low** **Low**	White with bluish tone ⬍ White with reddish tone

■ Fine Motion Advanced

The “Fine Motion Advanced” provides a picture with 100/120 frames per second (double the conventional 50/60 frames per second) by supplementing the picture from the preceding and following scenes using Sharp’s unique algorithm. Users are able to view fast moving images more clearly.

Selected item	Description
On	For obtaining a clear image
Off	No adjustment

NOTE

- Fine Motion Advanced may cause image noise. If this occurs, turn the function “Off”.

■ Film Mode

Automatically detects a film-based source (originally encoded at 24/25 frames/second, depending on the vertical frequency), analyzes it then recreates each still film frame for high-definition picture quality.

Selected item	Description
Advanced	Changes the image from frame advance to a smooth moving image.
Standard	Normal adjustment
Off	No detecting

NOTE

- Film Mode is not selectable depending on the input signal type.

■ Active Contrast

Automatically adjusts the contrast of an image according to the scene if set to “On”.

■ 3D-Y/C

Provides high quality images with minimal dot crawl and cross colour noise.

Selected item	Description
Standard	Normal adjustment
Fast	Set the optimum image quality for fast-moving images.
Slow	Set the optimum image quality for slow-moving images.
Off	No detecting

NOTE

- 3D-Y/C is not selectable depending on the input signal type.
- 3D-Y/C may not operate depending on the input signal type or noisy input signal.

■ Monochrome

Images are displayed in monochrome if set to “On”.

■ Range of OPC

The brightness level range of the OPC sensor’s automatic adjustments can be set according to your preferences. The adjustment range of the OPC sensor can be set to a maximum of +16 and a minimum of -16.

Selected item	Description
Max.	-16 through +16
Min.	-16 through +16

NOTE

- This function is available only when the OPC setting is set to “On” or “On: Display”.
- The maximum setting cannot be set to a smaller number than the minimum setting.
- The minimum setting cannot be set to a bigger number than the maximum setting.
- The maximum and minimum settings cannot be set to the same number.
- Depending on the brightness of the surrounding light, the OPC sensor might not operate if the adjustment range is small.

Other picture settings

DNR (Digital Noise Reduction)

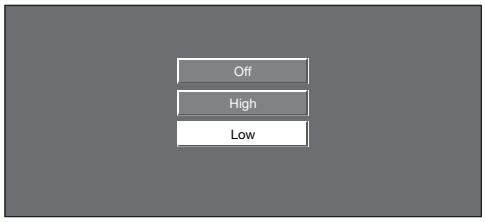
Reduces noise on the screen and provides a clearer video image.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “DNR”, and then press **ENTER**.

4 Press ▲/▼ to select the desired level, and then press **ENTER**.



Adjusting the image position

For adjusting a picture's horizontal and vertical position.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Position”, and then press **ENTER**.

4 Press ▲/▼ to select “H-Pos.” or “V-Pos.”.

Selected item	Description
H-Pos.	Centres the image by moving it to the left or right.
V-Pos.	Centres the image by moving it up or down.

5 Press ◀/▶ to adjust the item to your desired position.

NOTE

- For resetting all adjustment items to the factory preset values, press ▲/▼ to select “Reset”, and then press **ENTER**.
- **Adjustments are stored separately according to input source.**
- Images may not be displayed properly depending on the settings and/or signals.

Game Play Time

This function displays the elapsed game time so you do not lose track of the time.
To display the elapsed time, select “GAME” under “AV MODE” for the input mode of the terminal connected to the game console before starting the game.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “Game Play Time”, and then press **ENTER**.

4 Press ◀/▶ to select “On”, and then press **ENTER**.

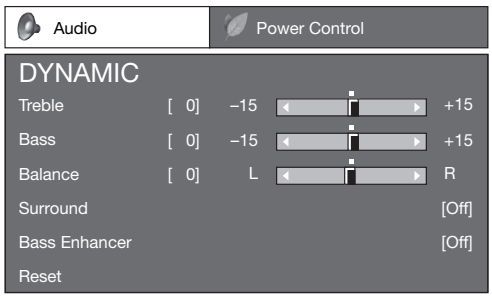
Selected item	Description
On	The elapsed time is displayed every 30 minutes when you switch to GAME mode in external input mode.
Off	No adjustment

Audio adjustment

You can adjust the audio of the selected AV mode.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Audio”.



3 Press ▲/▼ to select the desired menu item. Press **ENTER** to proceed if necessary.

4 Press ▲/▼ or ◀/▶ to select the desired item or adjust the item to the desired level. Press **ENTER** if necessary.

Selected item	◀button	▶button
Treble	For weaker treble	For stronger treble
Bass	For weaker bass	For stronger bass
Balance	Decrease audio from the right speaker	Decrease audio from the left speaker

NOTE

- For resetting all adjustment items to the factory preset values, press ▲/▼ to select “Reset”, press **ENTER**, press ◀/▶ to select “Yes”, and then press **ENTER**.

■ Surround

You can enjoy SRS TruSurround XT sound, the same as if you were in a movie theatre.

1 Repeat steps 1 to 2 in **Audio adjustment**.

2 Press ▲/▼ to select “Surround”, and then press **ENTER**.

3 Press ◀/▶ to select “On”.

Selected item	Description
On	SRS TruSurround XT creates a high quality surround sound experience, when watching DVD movies and TV programmes broadcast in surround sound.
Off	Outputs the normal sound.

■ Bass Enhancer

This function allows you to enjoy bass-enhanced sound.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Audio”.

3 Press ▲/▼ to select “Bass Enhancer”, and then press **ENTER**.

4 Press ◀/▶ to select “On” or “Off”, and then press **ENTER**.

NOTE

- The “Audio” menu is grayed out when Output Volume Select is set to “Variable”.

Output Volume Select

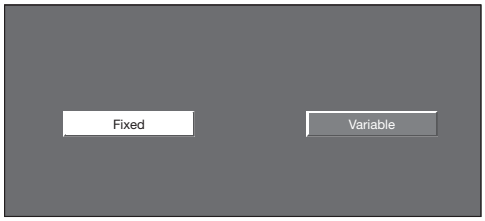
Allows you to select what controls the audio output.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “Output Volume Select”, and then press **ENTER**.

4 Press ◀/▶ to select “Fixed” or “Variable”, and then press **ENTER**.



Selected item	Description
Fixed	• Sound via speakers/headphone is adjusted with **VOL** +/– on the remote control unit or the TV. • Sound via the MONITOR OUTPUT terminal is not adjustable and constantly outputs.
Variable	• Sound via the MONITOR OUTPUT terminal is adjusted with **VOL** +/– on the remote control unit or the TV. • Sound via speakers is muted.

NOTE

- The “Audio” menu cannot be operated when headphones are plugged in.

Automatic Volume Adjustment

Different sound sources sometimes do not have the same volume level, such as a programme and its commercial breaks. The Automatic Volume Control (Auto Volume) reduces this problem by equalizing levels.

1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select “Option”.
3. Press ▲/▼ to select “Auto Volume”, and then press **ENTER**.
4. Press ◀/▶ to select “On”, and then press **ENTER**.

Clear Voice

This function emphasises speech against background noise for greater intelligibility. It is not recommended for music sources.

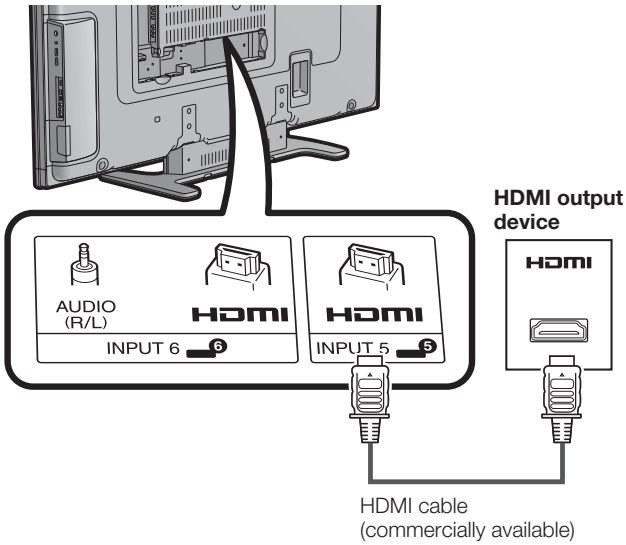
1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select “Option”.
3. Press ▲/▼ to select “Clear Voice”, and then press **ENTER**.
4. Press ◀/▶ to select “On”, and then press **ENTER**.

Settings when using external devices

Settings when using HDMI output devices

HDMI terminals can carry audio and visual signals to the TV with an HDMI certified cable. When you want to output the audio and picture from an HDMI output device on the TV, select “INPUT4”, “INPUT5” or “INPUT6” by switching the input source.

Connecting an HDMI output device



■ HDMI (High-Definition Multimedia Interface) Auto View

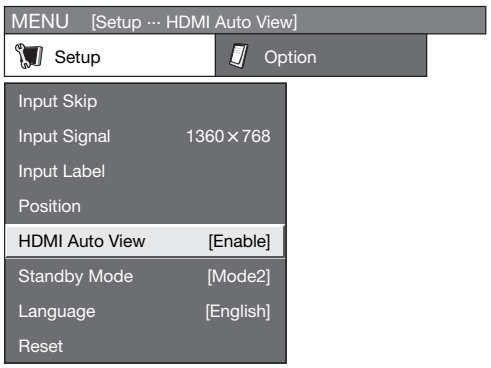
1 To watch an HDMI equipment image, select “INPUT4”, “INPUT5” or “INPUT6” using **TV/VIDEO** on the remote control unit or on the TV.

2 Press **MENU** and the MENU screen displays.

3 Press ◀/▶ to select “Setup”.

4 Press ▲/▼ to select “HDMI Auto View”, and then press **ENTER**.

- The HDMI Setup can be selected only when “INPUT4”, “INPUT5” or “INPUT6” is selected.



5 Press ◀/▶ to select the desired item, and then press **ENTER**.

Selectable items	Description
Enable/ Disable	Set whether or not to use WIDE MODE based on signal recognition, including an HDMI signal.

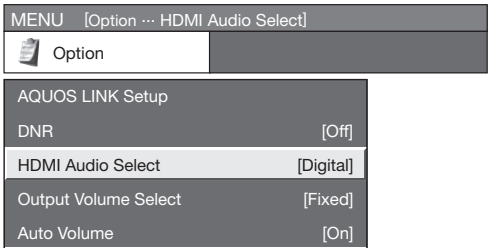
■ HDMI Audio Select

The HDMI Audio Select can be selected only when “INPUT6” is selected.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “HDMI Audio Select”, and then press **ENTER**.



4 Press ◀/▶ to select the desired setting, and then press **ENTER**.

Selectable items	Description
Digital	Audio signal via the HDMI terminal.
Analogue	Audio signal via the AUDIO jack.

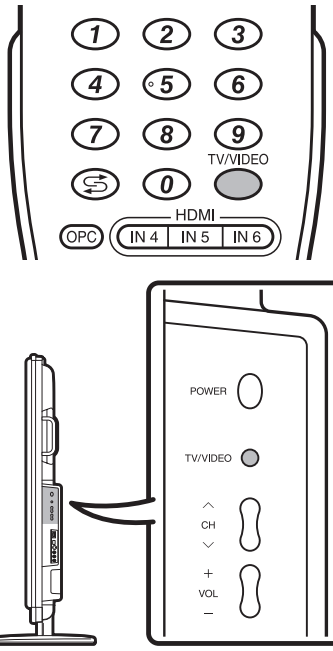
NOTE

- “HDMI Audio Select” is only available for INPUT6.
- Refer to your external equipment operation manual for above settings.
- When connecting a DVI-HDMI conversion adaptor/cable to the HDMI terminal, the image may not come in clearly.

Selecting the input source and signal type

Selecting input source

Can use for selecting the input source.
Using TV/VIDEO on the remote control unit or on the TV.
TV/VIDEO allows you to choose from the available input sources.



1 Press **TV/VIDEO** on the remote control unit or on the TV.

2 Press **TV/VIDEO** on the remote control unit or on the TV to select the input source.

- The image and sound from the selected source are output on the TV.

NOTE

- The display for INPUT SOURCE selecting is only displayed when you toggle the input by using **TV/VIDEO** on the remote control.
  Meanwhile, you can also select the input source by pressing ▲/▼.

Selecting input signal type

For setting the signal type of external equipment.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “Input Select”, and then press **ENTER**.

4 Press ▲/▼ to select a signal type you want to set, and then press **ENTER**.

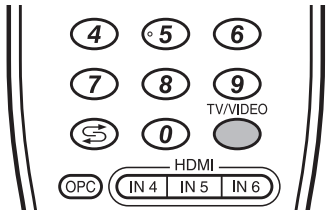
Input source	Selectable item
INPUT 1	Auto, COMPONENT, VIDEO
INPUT 2	Auto, COMPONENT, VIDEO
INPUT 3	Auto, S-VIDEO, VIDEO

NOTE

- **If no colour image displays, try changing the other signal type.**
- Check the operation manual of the external equipment for the signal type.
- When the signal type is set to “Auto”, the input terminal where a cable is connected is automatically selected.
- When the signal type is set to “Auto” and multiple video signal cables are connected, the signal type is selected in the following prioritised order:
  INPUT 1/INPUT 2: COMPONENT→ VIDEO
  INPUT 3: S-VIDEO→ VIDEO

Labelling input sources

You can assign each input source a label as you prefer.



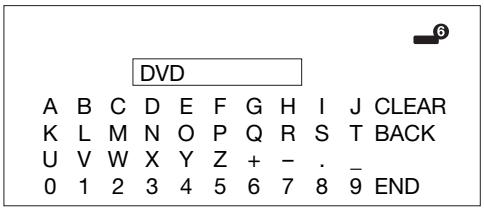
1 Press **TV/VIDEO** to select the desired input source.

2 Press **MENU** and the MENU screen displays.

3 Press ◀/▶ to select “Setup”.

4 Press ▲/▼ to select “Input Label”, and then press **ENTER**.

5 Press ▲/▼/◀/▶ to select each character of the new name for the input source, and press **ENTER**.

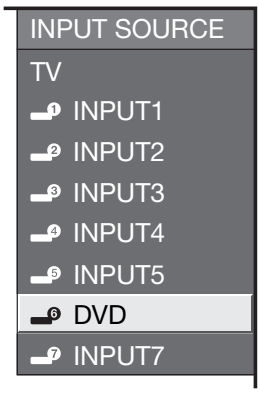


(Example)

- When you want to change the input label that you have already assigned to the default name, press ◀/▶ to move to “CLEAR” on the “Input Label” screen, and then press **ENTER**.

6 Repeat until the name is fully spelt out.

- The name can be 6 characters or less.
- When you want to set an input source name of less than 6 characters, select “END” and then press **ENTER** to exit from the labelling menu.



(Example)

NOTE

- You cannot change labels if the input source is TV.
- The display for INPUT SOURCE selecting is only displayed when you toggle the input by using **TV/VIDEO** on the remote control.

Skipping HDMI/PC input

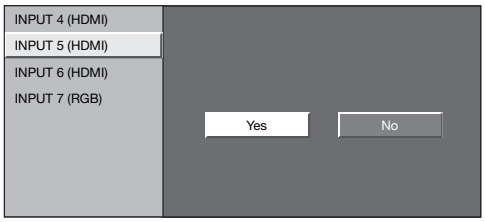
This setting allows you to skip the HDMI or PC input on the input source Selection operation.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Input Skip”, and then press **ENTER**.

4 Press ▲/▼ to select the Input (INPUT4 to INPUT7) you wish to skip, and then press **ENTER**.



5 Press ◀/▶ to select “Yes”, and then press **ENTER**.

6 Press **MENU** to exit.

Colour system settings

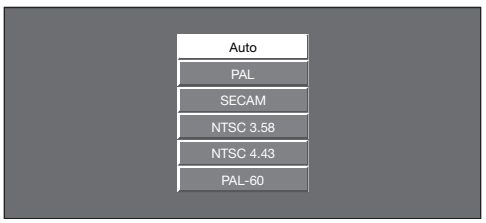
You can change the colour system to one that is compatible with the image on the screen.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “Colour System”, and then press **ENTER**.

4 Press ▲/▼ to select a compatible video signal system of your equipment, and then press **ENTER**.

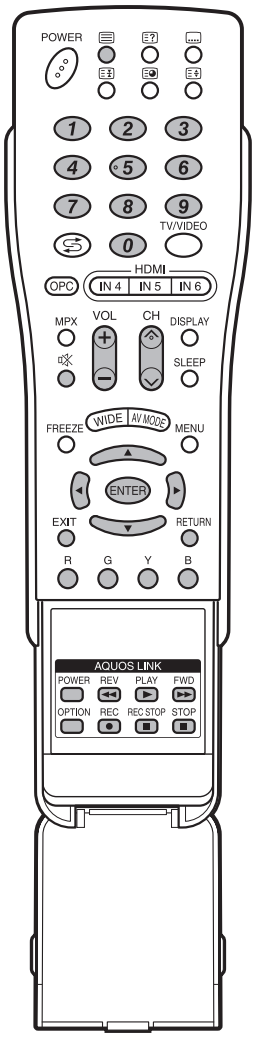


NOTE

- Factory preset value is “Auto”.
- If “Auto” is selected, colour system for input signal is automatically set. If an image does not display clearly, select another colour system (e.g. PAL, NTSC 4.43).
- “Colour System” is selectable only when inputting an S-VIDEO or composite signal.

AQUOS LINK

Controlling HDMI devices using AQUOS LINK



What is AQUOS LINK?

Using the HDMI CEC (Consumer Electronics Control) protocol, with AQUOS LINK you can interactively operate compatible system devices (AV amplifier, DVD, Blu-ray Disc device) using a single remote control.

By connecting AQUOS LINK-compatible devices with HDMI-certified cables to the TV, you can control a recorder or AV amplifier using the remote control of the TV.

AQUOS LINK allows you to operate the HDMI-connected equipment with one remote control.

NOTE

- Please check the availability of AQUOS LINK-compatible AQUOS BD Player and AQUOS LINK-compatible audio system via the sole agent in your contry.

What you can do with AQUOS LINK

✔ One Touch Play

While the TV is in standby mode, it automatically turns on and plays back the image from the HDMI source.

✔ Single remote control operation

The AQUOS LINK automatically recognises the connected HDMI device and you can control the TV and the devices as if using a universal remote control.

✔ Operating Title list of external devices

You can also call up the external player's Top menu or AQUOS BD Player's Title list provided that the devices support AQUOS LINK.

✔ Multiple control of HDMI devices

You can select which HDMI device to operate using **OPTION**.

✔ Controlling the AQUOS LINK-compatible audio system

You can adjust the volume and select the sound mode of the AQUOS LINK-compatible audio system.

NOTE

- Point the remote control toward the TV, not to the connected HDMI device.
- Video noise may occur depending on the type of HDMI-certified cable used. Make sure to use a HDMI-certified cable.
- Up to 3 pieces of HDMI recording equipment and one AV amplifier can be connected using this system.
- These operations affect the HDMI device selected as the current input source. If the device does not operate, turn on the device and select the appropriate input source using **TV/VIDEO**.
- When you insert/remove HDMI-certified cables or change connections, turn on all connected HDMI devices before turning on the TV. Confirm that picture and audio are correctly output by selecting "INPUT4", "INPUT5" or "INPUT6" from the INPUT SOURCE menu.

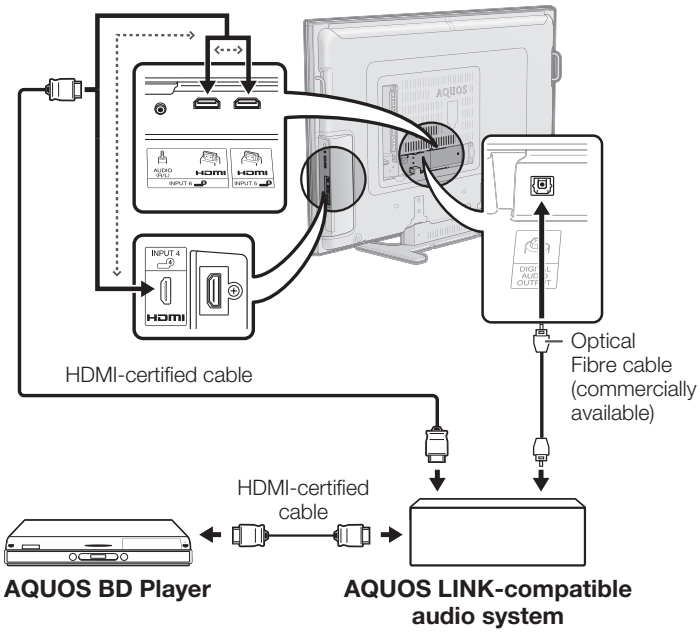
AQUOS LINK connection

First connect the AQUOS LINK-compatible audio system or an AQUOS BD Player that supports the HDMI CEC protocol.

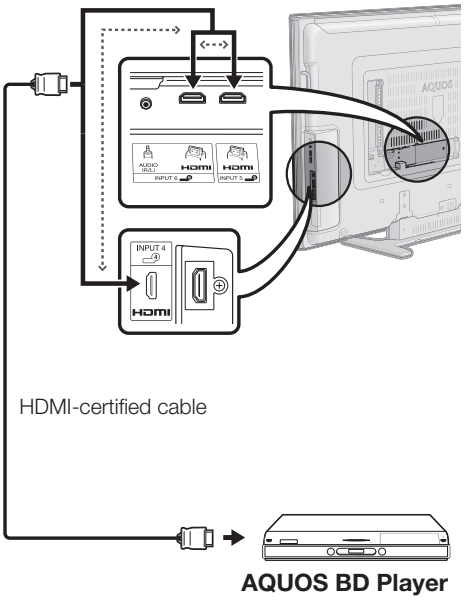
NOTE

- Refer to the operation manual of the device to be connected for further details.
- After unplugging connection cables or changing the connection pattern, first turn on the power of the TV with all relevant device's power turned on. Change the external input source by pressing **TV/VIDEO**, select the appropriate input source and verify the audiovisual output.
- The cables illustrated in the following explanation are commercially available items.

Connecting an AQUOS BD Player via the AQUOS LINK-compatible audio system



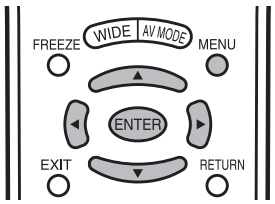
Connecting an AQUOS BD Player only



AQUOS LINK Setup

AQUOS LINK Auto power on

If this is activated, the One Touch Play function is enabled. While the TV is in standby mode, it automatically turns on and plays back the image from the HDMI source.

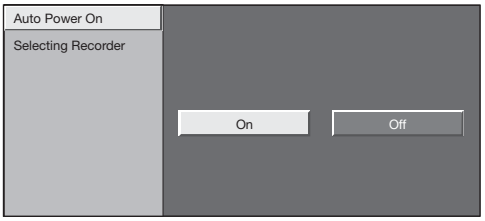


1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select "Option".

3 Press ▲/▼ to select "AQUOS LINK Setup", and then press **ENTER**.

4 Press ▲/▼ to select "Auto Power On", and then press **ENTER**.



5 Press ◀/▶ to select "On", and then press **ENTER**.

6 Press **MENU** to exit.

NOTE

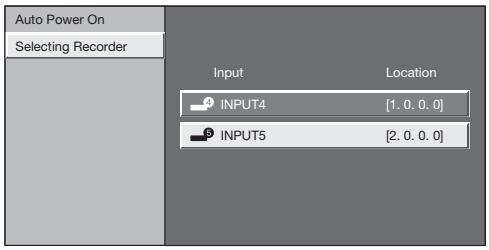
- The factory default for this item is "Off".

Selecting recorder

You can select a recorder for the recording from several connected recorders.

1 Repeat steps 1 to 3 in **AQUOS LINK Auto power on**.

2 Press ▲/▼ to select “Selecting Recorder”, and then press **ENTER**.

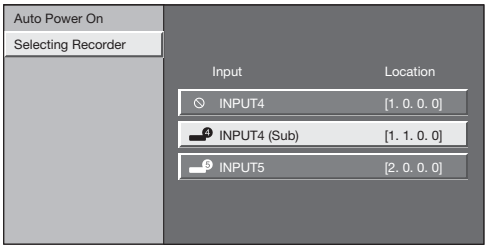


3 Select the recorder, and then press **ENTER**.

4 Press **MENU** to exit.

NOTE

- If you have connected the AQUOS LINK-compatible audio system between the TV and a CEC compatible-recorder, the input source’s indication changes from “INPUT4” to “INPUT4 (Sub)” as it is shown below.



Operating an AQUOS LINK device

AQUOS LINK allows you to operate the HDMI-connected device with one remote control.

Use the following procedure to start playback.

1 Press **PLAY** ▶ to start playback of a title.

- See page 43, section “**Playback of titles using AQUOS LINK**” if you want to start playback using the list of the titles of the AQUOS BD Player.

2 Press **FWD** ▶▶ to fast forward.

Press **REV** ◀◀ to reverse.

Press **STOP** ■ to stop.

Press **POWER** to turn the HDMI-connected device on/off.

Use the following procedure to start recording.

Check the following items before recording.

- Make sure the antenna cable is connected properly.
- Check if the recording media (HDD, DVD, etc.) has enough capacity for recording a programme.
- Select the equipment for recording in “Selecting Recorder”.

1 After you selected recording media (HDD, DVD, etc.) in the menu, please make sure the recording menu in the ready condition.

2 Press **REC** ● to record a programme.

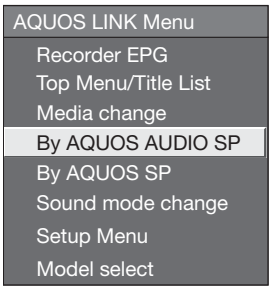
3 Press **REC STOP** ■ to stop recording.

Listening with the AQUOS LINK-compatible audio system

You can opt to listen to the TV sound only from the AQUOS LINK-compatible audio system.

1 Open the remote control unit’s flip cover, press **OPTION** and the AQUOS LINK menu screen displays.

2 Press ▲/▼ to select “By AQUOS AUDIO SP”, and then press **ENTER**.



- The sound from the TV speaker and headphone terminal is silenced and only the sound from the AQUOS LINK-compatible audio system is audible.
- You can use **VOL** +/− and **MUTE** (🔇).

Listening with the AQUOS TV speaker system

You can opt to listen to the TV sound only from the AQUOS TV speaker system.

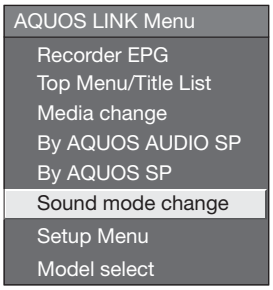
1 Open the remote control unit's flip cover, press **OPTION** and the AQUOS LINK menu screen displays.

2 Press ▲/▼ to select "By AQUOS SP", and then press **ENTER**.

Manually changing the AQUOS LINK-compatible audio system's sound mode

1 Open the remote control unit's flip cover, press **OPTION** and the AQUOS LINK menu screen displays.

2 Press ▲/▼ to select "Sound mode change".



3 The sound mode changes every time you press **ENTER**.

- Refer to the operation manual of the AQUOS LINK-compatible audio system for details.

Calling up the menu of an external device connected with the TV via HDMI

You can call up the menu of an HDMI CEC-compatible external device (player, recorder, decoder, etc.) using the "Setup Menu" function.

1 Open the remote control unit's flip cover, and then press **OPTION**.

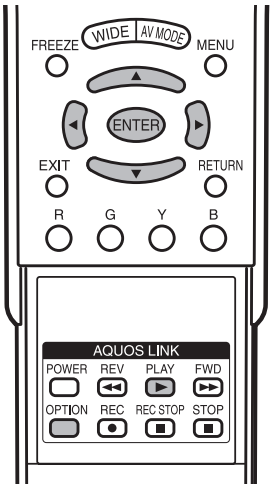
2 Press ▲/▼ to select "Setup Menu", and then press **ENTER**.

NOTE

- If a connected device does not have this function or the device is in a status where the menu cannot be displayed (recording, entering standby, etc.), this function may not be available.

Playback of titles using AQUOS LINK

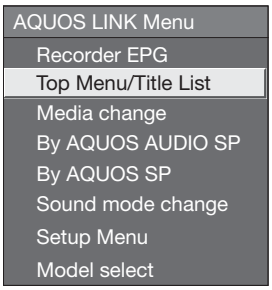
This section explains how to play back a title in the AQUOS BD Player.



1 Power on the AQUOS BD player, and select the appropriate external input.

2 Open the remote control unit's flip cover, press **OPTION** and the AQUOS LINK menu screen displays.

3 Press ▲/▼ to select "Top Menu/Title List", and then press **ENTER**.



- The linked recorder now powers on and the TV automatically selects the appropriate external input source.
- The title list data from the connected AQUOS BD Player displays.

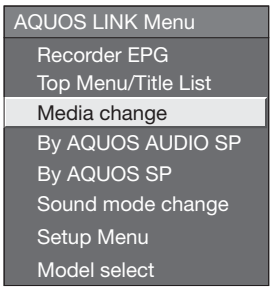
4 Select the title with ▲/▼/◀/▶, and then press **PLAY** ▶ to start playback.

Selecting media type for CEC-compatible recorder

If your recorder has multiple storage media, select the media type here.

1 Open the remote control unit's flip cover, press **OPTION** and the AQUOS LINK menu screen displays.

2 Press ▲/▼ to select "Media change", and then press **ENTER**.



3 Select the desired medium, such as DVD or HDD. The media type changes every time you press **ENTER**.

HDMI device selection

If multiple HDMI devices are connected in a daisy chain, you can specify which device to control here.

1 Open the remote control unit's flip cover, press **OPTION** and the AQUOS LINK menu screen displays.

2 Press ▲/▼ to select "Model select", and then press **ENTER**. The HDMI device changes every time you press **ENTER**.

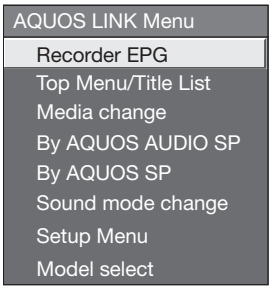
Recording via the CEC-compatible recorder's EPG (only for recorders)

You can call up the CEC-compatible recorder's EPG and preset timer recordings using the TV's remote control.

1 Open the remote control unit's flip cover, press **OPTION** and the AQUOS LINK menu screen displays.

2 Press ▲/▼ to select "Recorder EPG", and then press **ENTER**.

- The external input source switches and the recorder's EPG is displayed.



3 Select the programme to record.

- You can use ▲/▼/◀/▶, **RETURN**, **EXIT** and the coloured buttons.

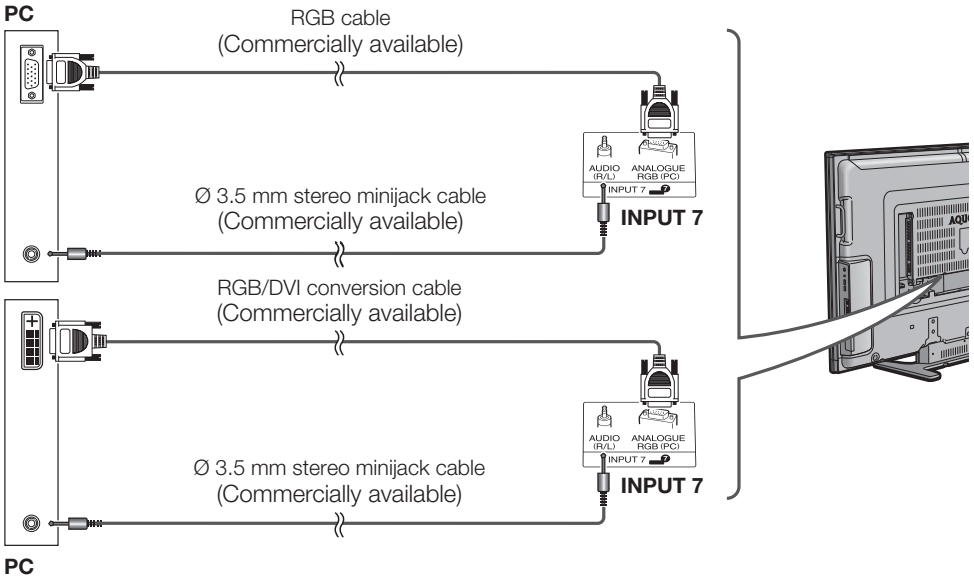
NOTE

- Refer to the operation manual of the recorder for details.

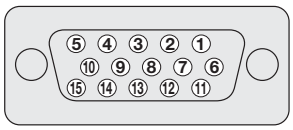
Connecting a PC

Use the PC terminals to connect a PC.

Analogue Connection



Signal names for 15-pin mini D-sub connector



Pin No.	Signal name	Pin No.	Signal name	Pin No.	Signal name
①	R	⑥	GND (Ground)	⑪	Not connected
②	G	⑦	GND (Ground)	⑫	SDA
③	B	⑧	GND (Ground)	⑬	HD
④	Not connected	⑨	+5V	⑭	VD
⑤	CSYNC	⑩	GND (Ground)	⑮	SCL

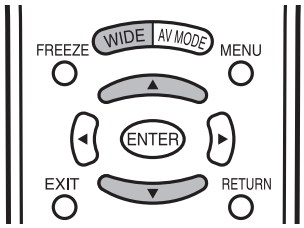
NOTE

- Macintosh adaptor may be required for use for some Macintosh computers.
- Pin No. ⑤ is not used for inputting the signal.
- The PC INPUT terminals are DDC1/2B-compatible.
- Refer to page 50 for a list of PC signals compatible with the TV.

Displaying a PC image on the screen

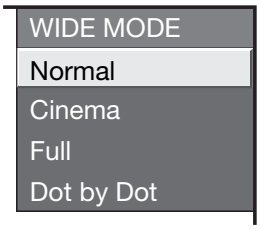
Selecting the picture size

You can select the picture size as illustrated below.



1 Press **WIDE**.

- The WIDE MODE menu displays.



(Example)

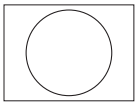
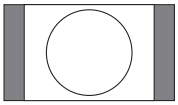
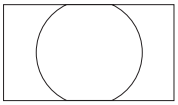
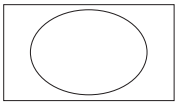
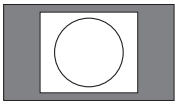
2 Press **WIDE** or ▲/▼ to select a desired item on the menu.

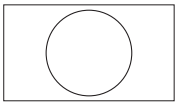
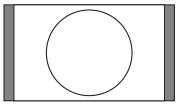
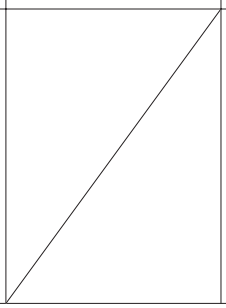
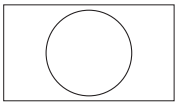
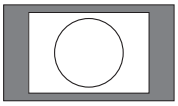
NOTE

- Connect the PC before making adjustments.
- Selectable screen size may vary with input signal type.

EXAMPLE

Screen size images.

Input Signal	Normal	Cinema	Full	Dot by Dot
 1024 × 768	 Keeps the original aspect ratio in a full screen display.	 For viewing wide screen programs. The top and bottom of the image is slightly cropped.	 An image fully fills the screen.	 Detects the resolution of the signal and displays an image with the same number of pixels on the screen.

Input Signal	Normal		Full	Dot by Dot
 1360 × 768	 Keeps the original aspect ratio in a full screen display.		 An image fully fills the screen.	 Detects the resolution of the signal and displays an image with the same number of pixels on the screen.

Adjusting the PC image automatically

This function enables the screen to be automatically adjusted to its best possible condition when the analogue terminals of the TV and PC are connected with a commercially available DVI/D-sub conversion cable, etc.

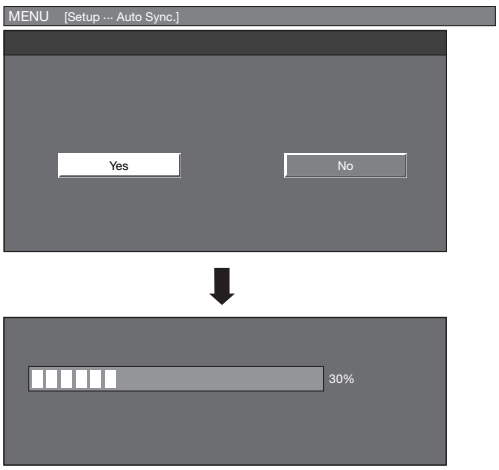
1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Auto Sync.”, and then press **ENTER**.

4 Press ◀/▶ to select “Yes”, and then press **ENTER**.

- Auto Sync. starts and “Adjusting the image” displays.



5 Press **MENU** to exit.

NOTE

- When Auto Sync. is successful, “Auto Sync completed successfully” displays. If not, Auto Sync. failed.
- Auto Sync. may fail even if “Auto Sync completed successfully” displays.
- Auto Sync. may fail if the computer image has low resolution, has unclear (black) edges, or is moved while executing Auto Sync.
- Be sure to connect the PC to the TV and switch it on before starting Auto Sync.
- Auto Sync. can be executed only when inputting analogue signals.

Adjusting the PC image manually

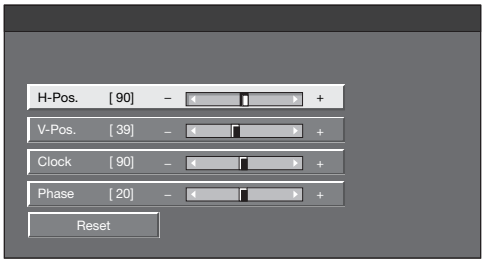
Ordinarily you can easily adjust the picture as necessary to change image position using Auto Sync. In some cases, however, manual adjustment is needed to optimise the image.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Fine Sync.”, and then press **ENTER**.

4 Press ▲/▼ to select the specific adjustment item.



Selected item	Description
H-Pos.	Centres the image by moving it to the left or right.
V-Pos.	Centres the image by moving it up or down.
Clock	Adjusts when the image flickers with vertical stripes.
Phase	Adjusts when characters have low contrast or when the image flickers.

5 Press ◀/▶ to adjust the item to your desired position.

6 Press **MENU** to exit.

NOTE

- For resetting all adjustment items to the factory preset values, press ▲/▼ to select “Reset”, and then press **ENTER**.
- “Clock” and “Phase” in the “Fine Sync.” menu can be adjusted only when inputting analogue signals.
- Images may not be displayed properly depending on the settings and/or input signals.

Input resolution settings

Selecting the input resolution

- Some input signals may have to be registered manually to display properly.
- The pairs of input signals (resolutions) in the list below are not distinguishable when received. In such case, you have to set the correct signal manually. After setting once, it will display when the same signal (resolution) is input again.

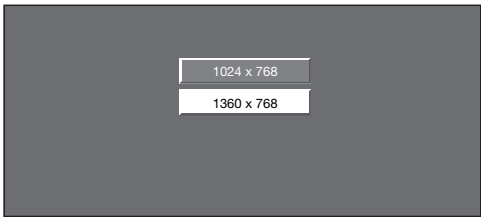
1024 x 768	1360 x 768

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Input Signal” and then press **ENTER**.

4 Press ▲/▼ to select the desired input signal on the display.



(Example)

NOTE

- You can only select the “Input Signal” on the Setup menu when receiving one of the 2 input signals listed above.

PC Control of the TV

- When a programme is set, the TV can be controlled from the PC using the RS-232C terminal. The input signal (PC/video) can be selected, the volume can be adjusted and various other adjustments and settings can be made, enabling automatic programmed playing.
- Attach an RS-232C cable cross-type (commercially available) to the Din/D-sub RS-232C for the connections.

NOTE

- This operation system should be used by a person who is accustomed to using PCs.

Communication conditions

Set the RS-232C communications settings on the PC to match the communications conditions of the TV. The communications settings of the TV are as follows:

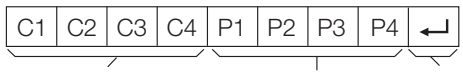
Baud rate:	9,600 bps
Data length:	8 bits
Parity bit:	None
Stop bit:	1 bit
Flow control:	None

Communication procedure

Send the control commands from the PC via the RS-232C connector.
The TV operates according to the received command and sends a response message to the PC.
Do not send multiple commands at the same time. Wait until the PC receives the OK response before sending the next command.

Command format

Eight ASCII codes + CR



Command 4-digits: Command. The text of four characters.
Parameter 4-digits: Parameter 0 — 9, space, ?

Command 4-digits Parameter 4-digits Return code

Parameter

Input the parameter values, aligning left, and fill with space(s) for the remainder. (Be sure that four values are input for the parameter.)
When the input parameter is not correct, “ERR” returns. (Refer to “Response code format”.)

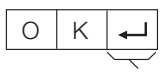
0			
0	0	0	9
–	3	0	
1	0	0	
0	0	5	5

When “?” is input for some commands, the present setting value responds.

?			
?	?	?	?

Response code format

Normal response



Return code (0DH)

Problem response (communication error or incorrect command)

Return code (0DH)

PC compatibility chart

Resolution		Horizontal Frequency	Vertical Frequency	Analogue (D-Sub)	VESA Standard
VGA	640 × 480	31.5 kHz	60 Hz	✔	✔
SVGA	800 × 600	37.9 kHz	60 Hz	✔	✔
XGA	1024 × 768	48.4 kHz	60 Hz	✔	✔
WXGA	1360 × 768	47.7 kHz	60 Hz	✔	✔
SXGA	1280 × 1024	64.0 kHz	60 Hz	✔	✔
SXGA+	1400 ×1050	65.3 kHz	60 Hz		✔

NOTE

- This TV has only limited PC compatibility, correct operation can only be guaranteed if the video card conforms exactly to the VESA 60Hz standard. Any variations from this standard will result in picture distortions.

DDC is a registered trademark of Video Electronics Standards Association.
Power Management is a registered trademark of Sun Microsystems, Inc.
VGA and XGA are registered trademarks of international Business Machines Corp.

RS-232C commands list

Commands

- Commands not indicated here are not guaranteed to operate.

CONTROL ITEM	COMMAND	PARAMETER	CONTROL CONTENTS
POWER SETTING	P O W R	0 _ _ _	POWER OFF (STANDBY)
INPUT SELECTION A	I T G D	_ _ _ _	INPUT SWITCHING (TOGGLE)
	I T V D	_ _ _ _	TV (CHANNEL FIXED)
	I A V D	* _ _ _	INPUT1—7 (1—7)
CHANNEL	D C C H	* * _ _	TV DIRECT CHANNEL (1—99)
	C H U P	_ _ _ _	CHANNEL UP
	C H D W	_ _ _ _	CHANNEL DOWN
INPUT SELECTION B	I N P 1	0 _ _ _	INPUT1 (AUTO)
	I N P 1	1 _ _ _	INPUT1 (COMPONENT)
	I N P 1	3 _ _ _	INPUT1 (VIDEO)
	I N P 2	0 _ _ _	INPUT2 (AUTO)
	I N P 2	1 _ _ _	INPUT2 (COMPONENT)
	I N P 2	3 _ _ _	INPUT2 (VIDEO)
	I N P 3	0 _ _ _	INPUT3 (AUTO)
	I N P 3	2 _ _ _	INPUT3 (S-VIDEO)
	I N P 3	3 _ _ _	INPUT3 (VIDEO)
AV MODE SELECTION	A V M D	0 _ _ _	TOGGLE
	A V M D	1 _ _ _	STANDARD
	A V M D	2 _ _ _	MOVIE
	A V M D	3 _ _ _	GAME
	A V M D	4 _ _ _	USER
	A V M D	5 _ _ _	DYNAMIC (Fixed)
	A V M D	6 _ _ _	DYNAMIC
	A V M D	7 _ _ _	PC
	A V M D	8 _ _ _	x.v.Colour

NOTE

- If an underbar (_) appears in the parameter column, enter a space.
- If an asterisk (*) appears, enter a value in the range indicated in brackets under CONTROL CONTENTS.

CONTROL ITEM	COMMAND	PARAMETER	CONTROL CONTENTS
VOLUME	V O L M	* * _ _	VOLUME (0—60)
POSITION	H P O S	* * * _	H-POSITION (AV) (−nn ~ nn)
	H P O S	* * * _	H-POSITION (PC) (−nn ~ nn)
	V P O S	* * * _	V-POSITION (AV) (−nn ~ nn)
	V P O S	* * * _	V-POSITION (PC) (−nn ~ nn)
	C L C K	* * * _	CLOCK (0—180)
	P H S E	* * * _	PHASE (0—40)
WIDE MODE	W I D E	0 _ _ _	TOGGLE (AV)
	W I D E	1 _ _ _	NORMAL (AV)
	W I D E	2 _ _ _	ZOOM 14:9 (AV)
	W I D E	3 _ _ _	PANORAMA (AV)
	W I D E	4 _ _ _	FULL (AV)
	W I D E	5 _ _ _	CINEMA 16:9 (AV)
	W I D E	6 _ _ _	CINEMA 14:9 (AV)
	W I D E	7 _ _ _	NORMAL (PC)
	W I D E	8 _ _ _	CINEMA (PC)
	W I D E	9 _ _ _	FULL (PC)
	W I D E	1 0 _ _	DOT BY DOT (AV/PC)
	W I D E	1 1 _ _	UNDERSCAN (AV)
MUTE	M U T E	0 _ _ _	TOGGLE
	M U T E	1 _ _ _	MUTE ON
	M U T E	2 _ _ _	MUTE OFF
SURROUND	A C S U	0 _ _ _	SURROUND TOGGLE
	A C S U	1 _ _ _	SURROUND ON
	A C S U	2 _ _ _	SURROUND OFF
AUDIO CHANGE	A C H A	_ _ _ _	TOGGLE
SLEEP TIMER	O F T M	0 _ _ _	OFF
	O F T M	1 _ _ _	SLEEP TIMER 30 MIN
	O F T M	2 _ _ _	SLEEP TIMER 1 HOUR
	O F T M	3 _ _ _	SLEEP TIMER 1 HOUR 30 MIN
	O F T M	4 _ _ _	SLEEP TIMER 2 HOUR
	O F T M	5 _ _ _	SLEEP TIMER 2 HOUR 30 MIN

Appendix

Troubleshooting

The problems described below are not always caused by malfunctions. Check the TV again before having the TV serviced.

Problem	Possible Solution
• No power.	• Check if you pressed **POWER** on the remote control unit. (See page 14.) If the indicator on the TV lights up red, press **POWER**. • Is the AC cord disconnected? (See page 9.) • Has the power been turned on? (See page 14.)
• Unit cannot be operated.	• External influences such as lightning, static electricity, etc., may cause improper operation. In this case, operate the unit after first turning the power off the TV or unplugging the AC cord and re-plugging it in after 1 or 2 minutes.
• Remote control unit does not operate.	• Are batteries inserted with polarity (+, −) aligned? (See page 13.) • Are batteries worn out? (Replace with new batteries.) • Are you using it under strong or fluorescent lighting? • Is a fluorescent light shining on the remote control sensor?
• Picture is cut off.	• Is the image position correct? (See page 33.) • Are screen mode adjustments such as picture size made correctly? (See pages 28, 29 and 46.)
• Strange colour, light colour, or dark, or colour misalignment.	• Adjust the picture tone. (See pages 31 to 33.) • Is the room too bright? The picture may look dark in a room that is too bright. • Check the colour system setting. (See pages 21 and 39.) • Check the input signal setting. (See page 48.) • Check the HDMI Auto View setting. (See page 36.)
• Power is suddenly turned off.	• The unit's internal temperature has increased. Remove any objects blocking the vent or clean. • Check the power control setting. (See page 27.) • Is the sleep timer set? (See page 27.)
• No picture.	• Is the connection to external equipment correct? (See pages 10 and 11.) • Has the input signal setup been performed correctly after connection? (See page 48.) • Is the correct input selected? (See page 39.) • Is the picture adjustment correct? (See pages 31 to 33.) • Is the antenna connected properly? (See page 9.) • Is “On” selected in “Audio Only”? (See page 24.)
• No sound.	• Is the volume too low? (See page 19.) • Make sure that headphones are not connected. (See page 6.)
• The TV sometimes makes a cracking noise.	• This is not a malfunction. This happens when the cabinet slightly expands and contracts according to changes in temperature. This does not affect the TV's performance.

Cautions regarding use in high and low temperature environments

- When the unit is used in a low temperature space (e.g. room, office), the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
- Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the LCD panel to malfunction.
  Storage temperature: −20°C to +60°C.

Error messages about recording using AQUOS LINK

The example of an error message displayed on a screen	Error code	Possible Solution
Failed to record Cannot record the broadcast.	**S05**	Check the content (broadcast or programme) or the recording medium such as HDD or DVD. Either the content or the recording medium may be incompatible.
Failed to record Cannot record the broadcast.	**S06**	This network cannot be recorded. Use the recording function of your recording device, not the AQUOS LINK function.
Failed to record Cannot record the broadcast.	**S07**	
Failed to record	**S09**	Use the recording function of your recording device, not the AQUOS LINK function.
Failed to record	**S10**	
Failed to record	**S11**	
Failed to record	**S12**	
Failed to record Cannot record the programme.	**S13**	Check the content (broadcast or programme). It may be incompatible.
Failed to record Cannot record the programme.	**S14**	
Failed to record No record media available.	**S16**	Check the recording medium.
Failed to record Cannot record while playback.	**S17**	Stop playback and set up the recording again.
Failed to record Cannot record while recording other programme.	**S18**	During recording, another recording is not possible.
Failed to record No record media available.	**S19**	Check the recording medium. Writing to the medium is prohibited.
Failed to record Cannot record while not receiving broadcast.	**S20**	Please check if the settings are properly set. Broadcasts are not receivable.
Failed to record No record media available.	**S21**	Recording to the medium is not possible. Check the recording medium.
Failed to record No recordable memory available.	**S22**	Check the capacity of the recording medium.
Failed to record Age limitation is set.	**S23**	Deactivate the child lock and set up the recording again.
Failed to record Cannot record with the recorder.	**S31**	Check your recording device.

Reset

If complex adjustments are made and the settings cannot be restored to normal, you can reset the settings to the factory preset values.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Reset”, and then press **ENTER**.

4 If you have already set the password, enter it here.
- “Return to factory pre-settings” displays on the screen.

5 Press ◀/▶ to select “Yes”, and then press **ENTER**.
- “Now, TV will restart automatically. OK?” displays on the screen.

6 Press ◀/▶ to select “Yes”, and then press **ENTER**.
- “Now initialising...” displays on the screen and blinks.
- After the reset has completed, the power shuts off and then comes back on. The screen will have returned to its original settings.

NOTE

- If you execute “Reset”, all the settings such as Picture, Audio, Programme and Language will be reset to the factory preset values.

Identification

You can check the current version of the software on the screen.

Specifications

Item \ Model				LC-65RX1H
LCD panel				65″ (1639 mm) Advanced Super View & BLACK TFT LCD
Resolution				2,073,600 pixels (1920×1080)
Video Colour System				PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60
TV Function	TV-Standard			PAL: B/G, D/K, I SECAM: B/G, D/K, K/K_1 NTSC: M
	Receiving Channel	VHF/UHF		44.25—863.25 MHz
		CATV		S1—S41ch (including Hyperband)
	TV-Tuning System			Auto Preset 99 ch
	STEREO/BILINGUAL			NICAM: B/G, I, D/K A2 stereo: B/G
Brightness				450 cd/m^2
Backlight life				60,000 hours (at Backlight Standard position)
Viewing angles				H : 176° V : 176°
Audio amplifier				7.5W × 2 + 15W
Speakers				10 × 4cm 2pcs, Ø2cm 2pcs, Ø5.5cm 1pc
Terminals	Rear	Antenna input		UHF/VHF 75 Ω DIN type
		INPUT 1		VIDEO in, AUDIO in, COMPONENT in (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz)
		INPUT 2		VIDEO in, AUDIO in, COMPONENT in (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz)
	Side	INPUT 3		S-VIDEO in, VIDEO in, AUDIO in
		INPUT 4		HDMI (HDMI input) (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz, 1080P/50Hz, 1080P/60Hz, 1080P/24Hz)
	Rear	INPUT 5		HDMI (HDMI input) (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz, 1080P/50Hz, 1080P/60Hz, 1080P/24Hz)
		INPUT 6		HDMI (HDMI input) (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz, 1080P/50Hz, 1080P/60Hz, 1080P/24Hz), AUDIO in (Ø 3.5 mm jack)
		INPUT 7 (PC input)		15 pin mini D-sub, AUDIO in (Ø 3.5 mm jack)
		MONITOR OUT		VIDEO out, AUDIO out
		RS-232C		9 pin D-sub male connector
		DIGITAL AUDIO OUTPUT		Optical Digital Audio output
	Front	Headphone		
OSD language				English/Simplified Chinese/Traditional Chinese/Arabic
Power Requirement				AC 110-240 V, 50/60 Hz
Power Consumption				481 W (0.5 W Standby)
Weight	without stand			62.0 kg
	with stand			66.0 kg
Operating Temperature				0°C - 40°C

- As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

Optional accessory

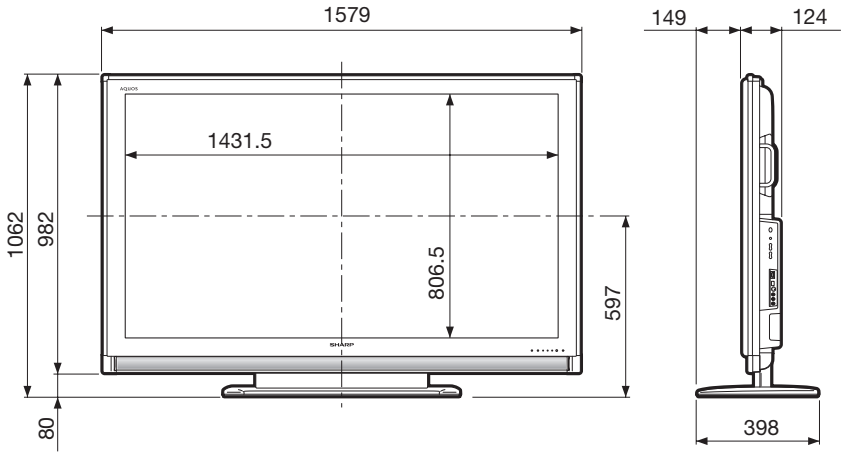
The listed optional accessory is available for the LCD colour TV. Please purchase it at your nearest shop.

- Additional optional accessories may be available in the near future. When purchasing, please read the newest catalogue for compatibility and check the availability.

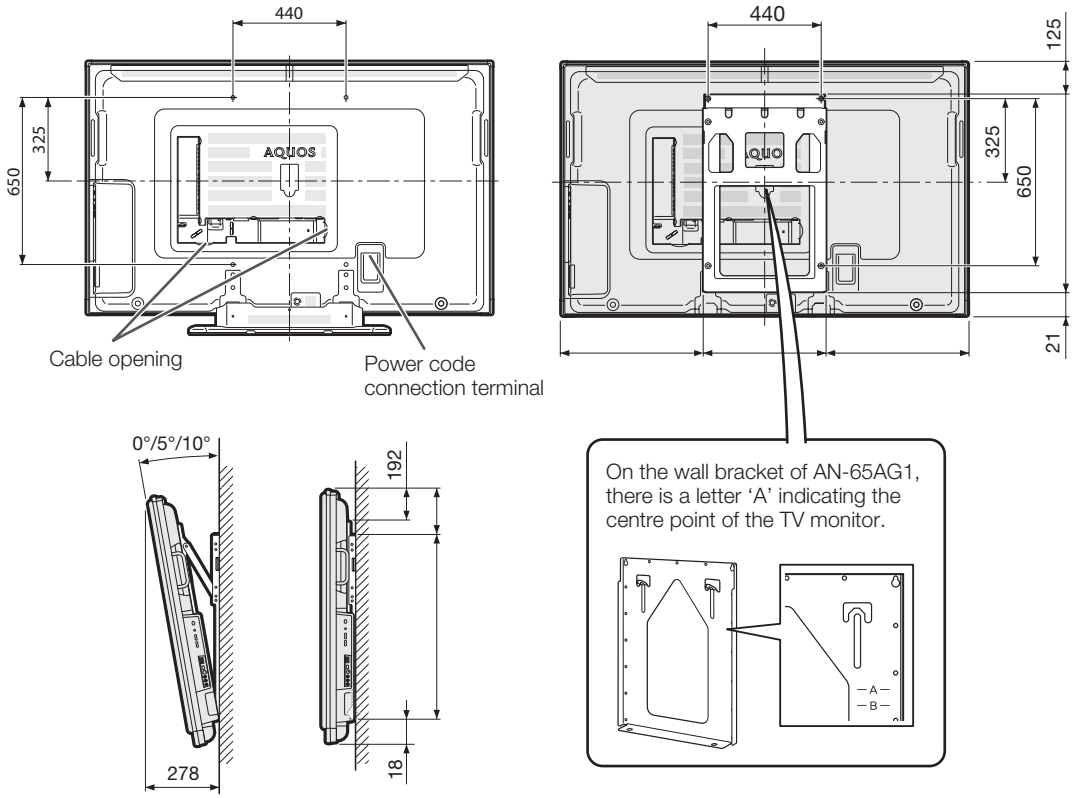
Part name	Model number
Wall mount bracket (for LC-65RX1H)	AN-65AG1

Dimensional drawings

Unit: mm



When using wall mount bracket AN-65AG1



Mounting the TV on the wall

Removing the stand

For wall mounting with the optional bracket (AN-65AG1), remove the stand.

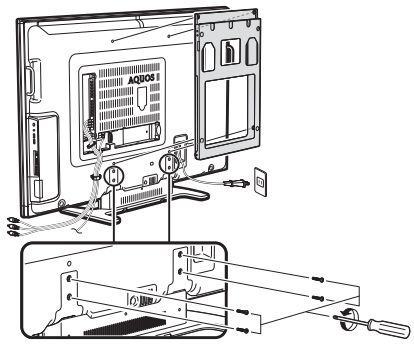
Before detaching/attaching the stand

- Before detaching (or attaching) the stand, unplug the AC cord from the AC outlet.
- Remove all terminal covers and connected cables.
- Lay the TV down on cushioning (such as a blanket) over a table.
- Make sure two or more people perform the operation.

CAUTION

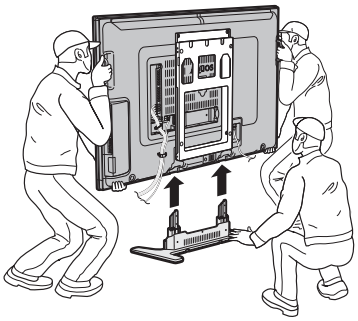
- **Do not remove the stand from the TV unless using an optional bracket to mount it.**

1



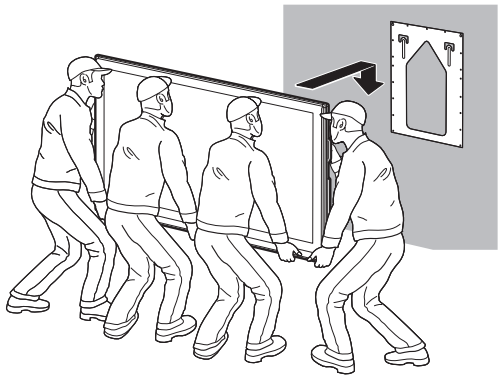
① Unfasten the four screws used to secure the stand in place.
② Attach the wall mount brackets.

2



① Detach the stand from the TV. (Hold the stand so it will not drop from the edge of the base area.)
② Make sure to detach the TV with it tilted slightly backwards and supporting the knobs on the rear of the TV while holding the stand.
③ Don't push hard on the speaker cover portion of the TV.

3



Set the TV on the wall.
As the TV is very heavy, be careful not to drop it on a hard floor or on your foot.

NOTE

- To attach the stand, perform the above steps in reverse order.

Handling and precautions with the wall-mounted TV

- You can mount the TV on the wall using the optional AN-65AG1 bracket.
- For details, refer to the instructions supplied with the optional bracket.

CAUTION

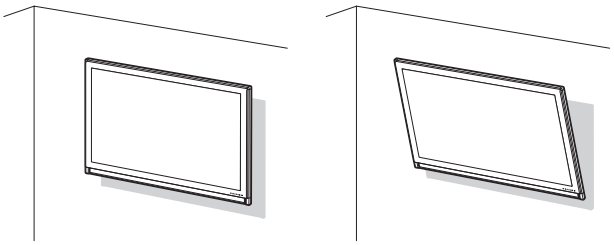
- **This TV should be mounted on the wall only with the AN-65AG1 (SHARP) wall mount bracket. The use of other wall mount brackets may result in an unstable installation and may cause serious injuries.**
- **Installing the Liquid Crystal Television requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.**

Using an optional bracket to mount the TV

- You can ask a qualified service personnel about using an optional AN-65AG1 bracket to mount the TV to the wall.
- Carefully read the instructions that come with the bracket before beginning work.

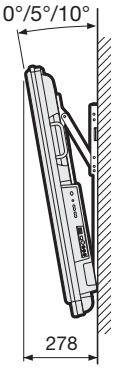
Hanging on the wall

AN-65AG1 wall mount bracket.
(See the bracket instructions for details.)



Vertical mounting　　Angular mounting

About setting the TV angle



AN-65AG1

NOTE

- Detach the cable clamps on the rear of the TV when using the optional mount bracket.

Wall mounting

1 **Mark the monitor's outline by placing tape at four points on the wall where the LCD-TV's four corners' will lie when it is installed.**

- When you mark the monitor's outline on the wall, make sure that the vertical and horizontal lines are made accurate to the TV's dimension.
- Use adhesive tape that will not leave permanent marks.

2 **Make diagonal lines from the four corners and mark their intersecting point.**

- Diagonally stretch string and mark the intersecting point in a way that no permanent marks will be left on the wall.

3 **Mount the bracket on the wall by positioning the bracket's mark that indicates the display's centre onto the intersecting point.**

- The following measurement figures are rough estimates. The figures differ according to the location where you attach the TV.

4 **① Remove the screws from the stand.**

② Attach the bracket to the LCD-TV.

③ When adjusting the bracket's angle, adjust it before installing the TV on the wall.

- The adjusting angles of AN-65AG1 are 0°, 5°, 10°.

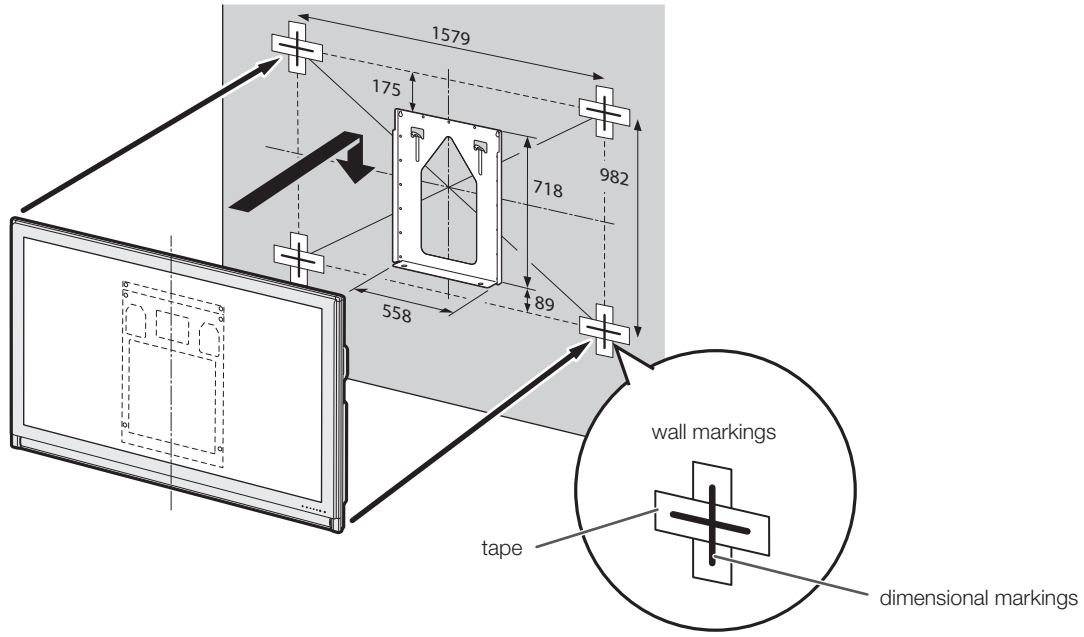
④ Lift the TV, remove it from the stand and attach it to the bracket.

- Attach the TV by aligning the monitor's four corners with the wall markings.
- When you adjust the TV's angle, make sure to remove the monitor from the wall.

5 **Remove the tape and the string from the wall.**

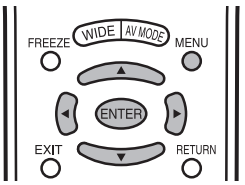
NOTE

- The above description is for reference. Please mount the TV in a way which properly suits the location.



CLEARING THE PASSWORD

If you forget the password, clear the password using the following procedure.

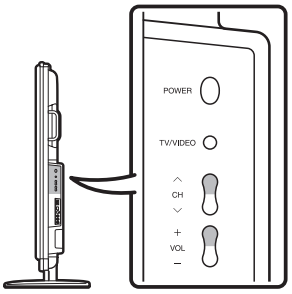


1 Press **MENU** to display the MENU screen, and then press ◀/▶ to select “Setup”.

2 Press ▲/▼ to select “Auto Installation”, “Programme Setup”, “Child Lock”, “Reset”, and the password input screen displays.

– – – –

3 Press and hold both **CH**∧ and **VOL**+ on the TV simultaneously until the message appears on the screen.



The Password is | | | | | .

NOTE

- As a precautionary measure, make a note of your password above, remove it from this manual, and keep it in a familiar place.

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http://www.sharp.com.hk
Click download, then select model no. “LC-65RX1H”.

We are unable to answer any questions about the source code for the open source software. The source code for the software components whose copyrights are held by SHARP is not distributed.

Acknowledgements

The following open source software components are included in this product:

• linux kernel • modutils • glibc • zlib • libpng

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