

TOSHIBA

Leading Innovation >>>

OWNER'S MANUAL

Integrated Digital LCD TV

SRS
WOW

DOLBY
DIGITAL

DVB

HDMI

42XV550A_560A
46XV550A_560A

Owner's Record

You will find the model number and serial number on the back of the TV. Record these numbers in the spaces provided below. Refer to them whenever you call upon your TOSHIBA dealer regarding this product.

Model number:

Serial number:

Trademark of the DVB – Digital Video Broadcasting Project

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2008

VX1A00121000

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Introduction

Welcome to Toshiba

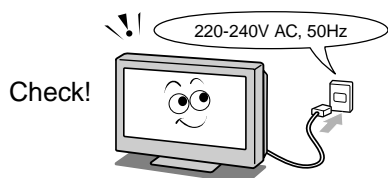
- Thank you for purchasing this Toshiba LCD Colour Television. This manual will help you use the exciting features of your new TV.
- Instructions in this manual are based on using the remote control.
- Please read all safety and operating instructions in this manual carefully, and keep this manual for future reference.

Important Safety Instructions

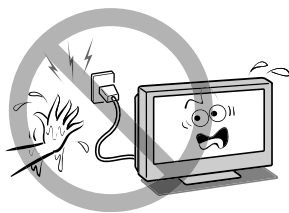
Be sure to observe the following instructions and precautions to ensure safe use of this TV.

Installation

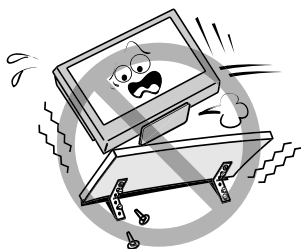
- 1) **Always connect the power plug to an appropriate electrical outlet equipped with 220-240V, AC 50Hz.**
Never use the TV outside the specified voltage range. It may cause a fire or an electric shock.



- 2) **Never insert or remove the power plug with wet hands.**
This may cause an electric shock.



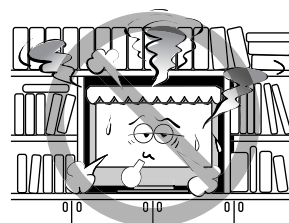
- 3) **Never place the TV in an unstabilized location such as on a shaky table, incline or location subject to vibration.**
The TV may drop or fall off which may cause injury or damage.



- 4) **Never block or cover the slots and openings in the cabinet.**

- Never place the TV so that it is facing upward or on its side.
- Never place the TV in a closet, bookcase or other similar area where the ventilation is poor.
- Never drape a newspaper, tablecloth or curtain on the TV.
- When installing the TV against a wall, always keep the TV at least 10 cm away from the wall.
- Never place the TV on a soft unstable surface, such as a carpet, or a cushion.

The inside of this TV will overheat if the ventilation holes are covered, blocked or sealed, which may result in a fire.



- 5) **Never place the TV near a heater or in direct sunlight.**

The surface of the cabinet or power cord may melt and result in a fire or an electric shock.



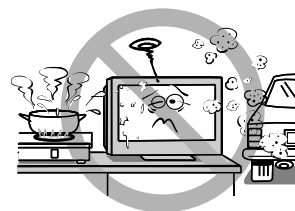
- 6) **Never place the TV in an area exposed to high humidity levels, such as in a bathroom or close to a humidifier.**

This may cause a fire or an electric shock.



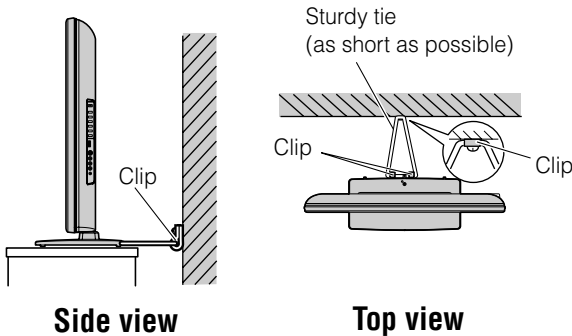
- 7) **Never place the TV next to a stove where it will be exposed to oil, smoke, or steam, or in a location where there is a large quantity of dust.**

This may cause a fire or an electric shock.



8) Install the TV in a horizontal, stable location. Connect between two clips on the back of the TV and a wall, pillar, etc., with a sturdy tie and clip of supplied accessories (see page 42).

- Use as short a tie as possible to ensure the TV is stable.
- If the TV is not installed securely, it may lean or fall over and cause an injury.
- To prevent injury, use the exclusive optional stand or wall-hanging bracket to install this TV on the floor or wall securely in accordance with a qualified technician.



9) Precautions for moving the TV

- When moving the TV, be sure to remove the plug from the wall outlet and disconnect the aerial cable and audio/video cables, any steady ties. Fire or electric shock may result if the power cord is damaged.
- When carrying the TV, at least two people are needed. Be sure to carry it upright.
- Never carry the TV with the screen facing up or down.



10) Precautions for installing on outdoor aerial

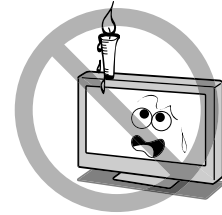
An outside aerial system should not be located in the vicinity of overhead power lines, or other electric light or power circuits. If the aerial falls down or drops, it may cause injury or electric shock.



Use

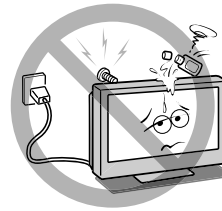
1) Never place hot objects or open flame sources, such as lighted candles or nightlights, on or close to the TV.

High temperatures can melt plastic and lead to fires.



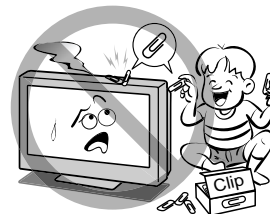
2) The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

When liquids are spilled or small items are dropped inside the TV, this may cause a fire or an electric shock. If small objects drop inside the TV, turn off the TV and remove the power plug from the outlet immediately and contact a service technician.



3) Never insert objects (metal or paper) or pour water inside the TV through ventilation holes and other openings.

These items may cause a fire or an electric shock. If these objects are inserted inside the TV, turn off the TV and remove the power plug from the outlet immediately and contact a service technician. Be especially careful that children do not insert objects in the TV.



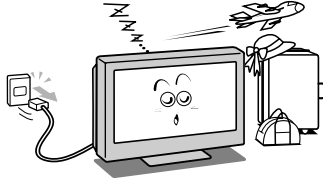
4) Never stand or climb on the TV.

Be especially careful in households with children to prevent them through climbing on top of the TV. It may move, fall over, break, become damaged or cause an injury.



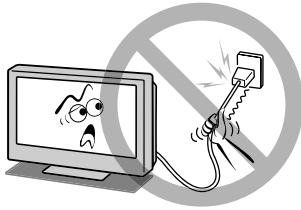
5) **When the TV will not be used for a long period of time, such as during vacation or travel, remove the power plug from the wall outlet for safety.**

- The TV is not completely disconnected from the power supply line, as minute current is consumed even when the O/I Power switch is turned off.
- The Mains plug or an appliance coupler is used as the disconnect device, therefore the disconnect device shall remain readily operable.



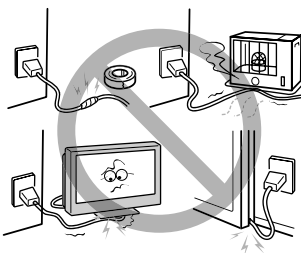
6) **Never pull on the power cord when removing the plug from the wall outlet.**

Always hold the plug firmly when removing it. If the power cord is yanked, the cord may become damaged and a fire or an electric shock may occur.



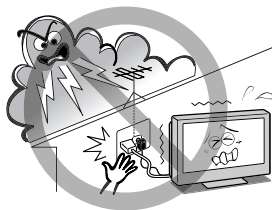
7) **Never cut, break, modify, twist, bunch up or bent the cord or apply excessive force or tension to it.**

Never place heavy objects on the cord or allow it to overheat as this may cause damage, a fire or an electric shock. Contact a service technician if the power cord is damaged.



8) **If there is thunder or lightning, never touch the aerial cable or other connected cables.**

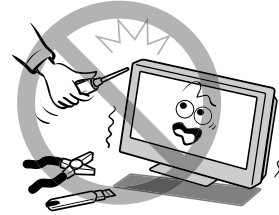
You may suffer an electric shock.



Service

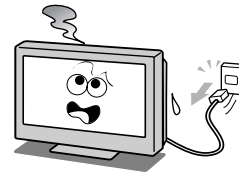
1) **Never repair, modify or disassemble the TV by yourself.**

It may cause a fire or an electric shock. Consult a service technician for inspection and repairs.



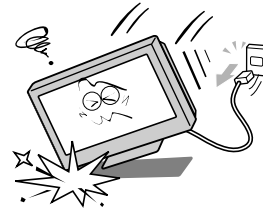
2) **When a malfunction occurs, or if smoke or an unusual odor comes from the TV, turn off the TV and remove the power plug from the outlet immediately.**

Make sure that the smoke or smell has stopped, then contact a service technician. If the TV is still used in this condition, it may cause a fire or an electric shock.



3) **If the TV is dropped or the cabinet is broken, turn off the TV and remove the power plug from the outlet immediately.**

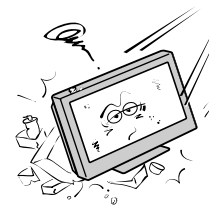
If the TV has power in this condition, it may cause a fire or an electric shock. If the cabinet is broken, be careful when handling the TV to prevent an injury. Contact a service technician for inspection and repair.



4) **When the TV reaches the end of its useful life, ask a qualified service technician to properly dispose of the TV.**

Note:

The lamp unit contains a small amount of mercury. Disposal of mercury may be regulated due to environmental considerations. Dispose of the used lamp unit by the approved method for your area. For disposal or recycling information, please contact your local authorities.



Cleaning

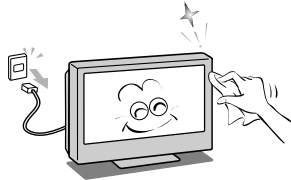
1) Remove the power plug before cleaning.

Never use solvents such as benzine or thinner to clean the TV.

- These solvents may distort the cabinet or damage its finish.
- If rubber or vinyl products remain in contact with the TV for a long time, a stain may result.

If the cabinet becomes dirty, clean it with a soft, dry cloth.

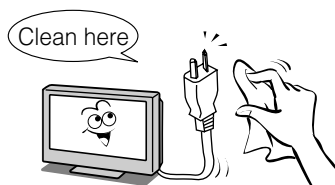
When cleaning the surface of the LCD display, wipe the panel surface gently with a soft, dry cloth.



2) Periodically disconnect the power plug from the outlet and check it.

If dust has collected on the power plug connectors, clean off the dust with dry cloth.

This dust may cause a fire due to reduced insulation on the plug.



Important information

1) LCD screen

- If you have the LCD screen facing to the sun, the LCD screen will be damaged. Be aware of locating the TV close to a window or outdoors.
- Never press the LCD screen strongly or scratch it, and never put anything on it. These actions will damage the LCD screen.

2) Cabinet and LCD screen

Never spray volatile compounds such as insecticide on the cabinet and LCD screen.

This may cause a discoloration or damage the cabinet and LCD screen.

3) Some pixels of the screen do not light up

The LCD display panel is manufactured using an extremely high level of precision technology; however, sometimes some pixels of the screen may be missing picture elements or have luminous spots. This is not a sign of malfunction.

4) Interference

The LCD display may cause interference in image, sound, etc. of other electronic equipment that receives electromagnetic waves (e.g. AM radios and video equipment).

5) Using in low temperature areas

If you use the TV in the room of 0°C or less, the picture brightness may vary until the LCD monitor warms up. This is not a sign of malfunction.

6) Afterimages

If a still picture is displayed, an afterimage may remain on the screen; however, it will disappear. This is not a sign of malfunction.

Exemptions

- Toshiba is not liable for any damage caused by fires, natural disaster (such as thunder, earthquake, etc.), acts by third parties, accidents, owner's misuse, or uses in other improper conditions.
- Toshiba is not liable for incidental damages (such as profit loss or interruption in business, modification or erasure of record data, etc.) caused by use or inability to use product.
- Toshiba is not liable for any damage caused by neglect of the instructions described in the owner's manual.
- Toshiba is not liable for any damage caused by misuse or malfunction through simultaneous use of this product and the connected equipment.

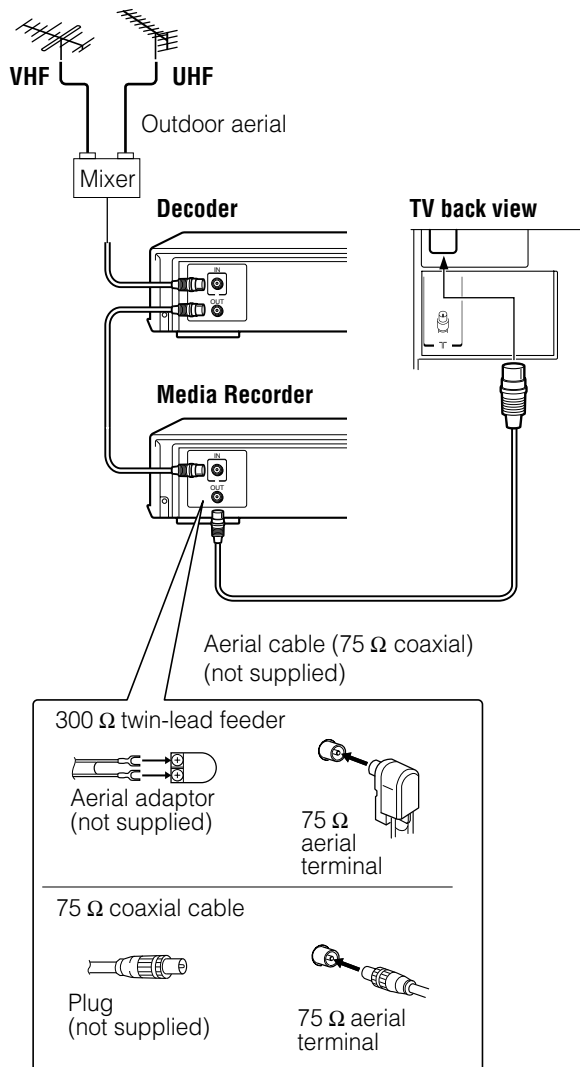
Connecting an aerial

Optimum reception of colour requires a good signal and will generally mean that an outdoor aerial must be used.

The exact type and positioning of the aerial will depend upon your particular area.

Your Toshiba dealer or service personnel can best advise you on which aerial to use in your area.

Before connecting the aerial cable, turn off all main power switches.

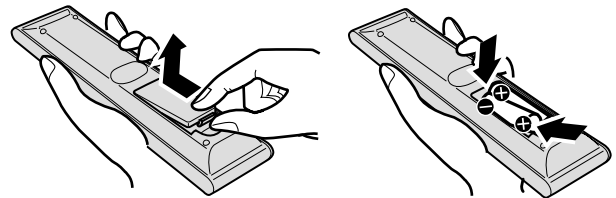


Exploring your new TV

Installing the remote control batteries

Remove the battery cover.

Insert two R03 (AAA) batteries matching the $-/+$ polarities of the battery to the $-/+$ marks inside the battery compartment.



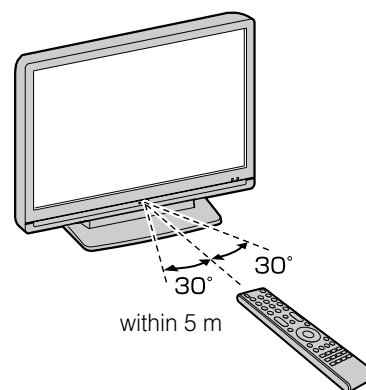
Cautions:

- Dispose of batteries in a designated disposal area. Batteries must not be exposed to excessive heat such as sunshine, fire or the like.
- Attention should be drawn to the environmental aspects of battery disposal.
- Never mix battery types or combine used batteries with new ones.

Notes:

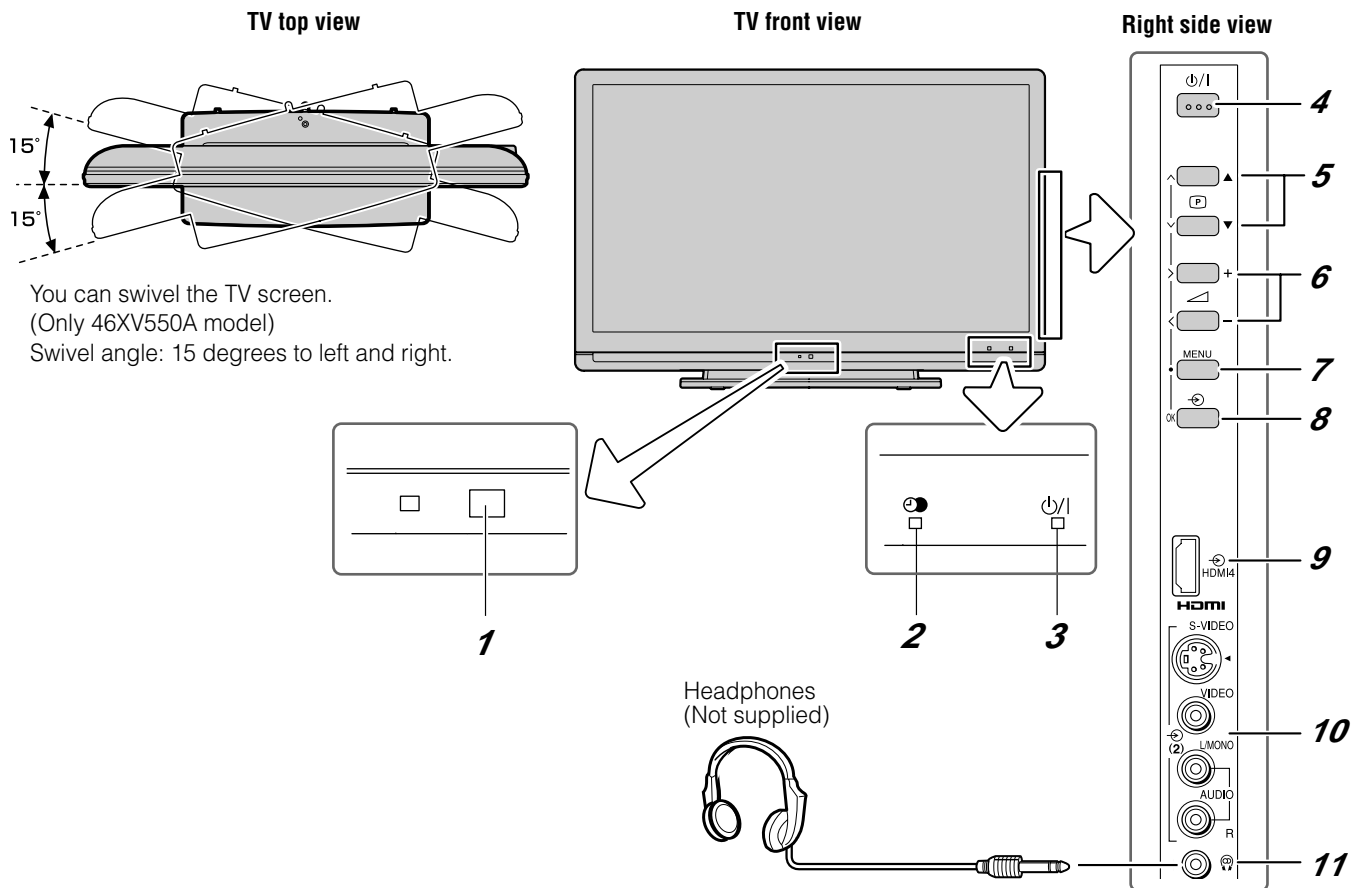
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace both batteries with new ones.
- If the batteries are dead or if you will not use the remote control for a long time, remove the batteries to prevent battery acid from leaking into the battery compartment.

Effective range



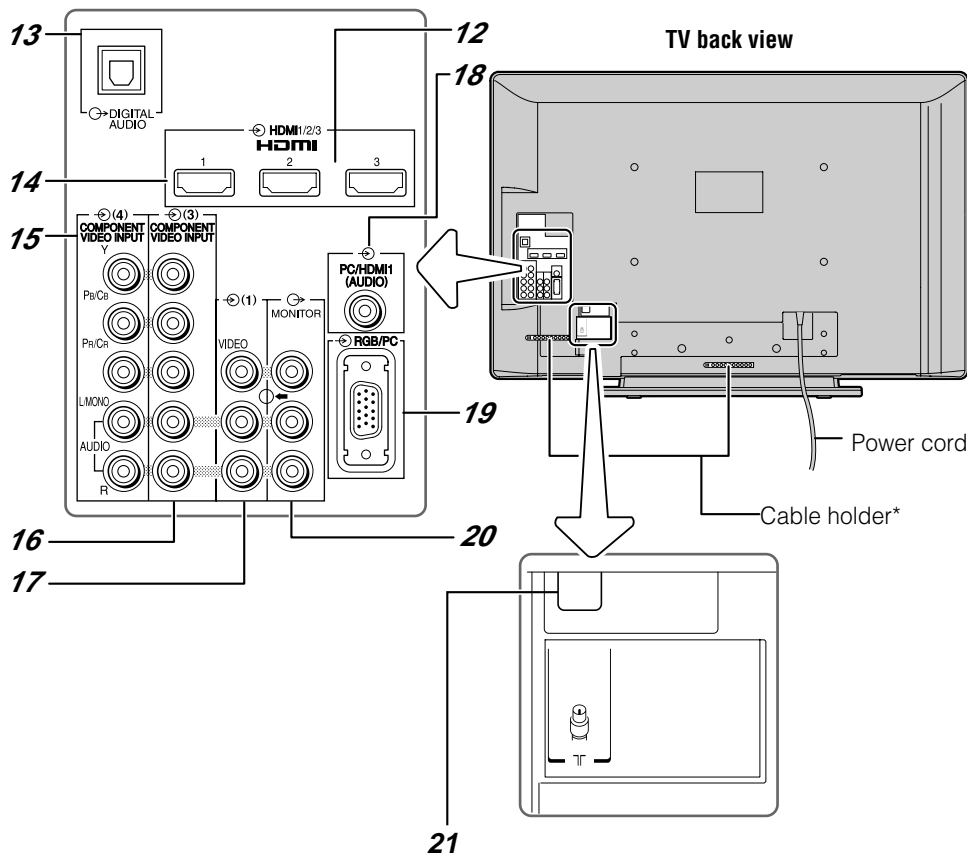
TV front and side panel controls

- You can operate your TV using the buttons on the side panel or the remote control. The back and side of the panel provide the terminal connections to connect other equipment to your TV (see “Connecting your TV” pages 32 - 38).
- For the use of each control, see the pages in brackets.



- (Remote sensor)** — Point the remote control toward this remote sensor (see page 7).
- (DTV timer LED)** — Digital TV timer Indicator (see page 23).
- ⏻ (Power LED)** — Power indicator (see page 12).
- ⏻ (Power on/Standby)** — Press to turn the TV on/standby (see page 12).
- ⏻▲▼ (Programme position)** — When no menu is on-screen, these buttons select the programme position. (see page 16).
▲▼ (MENU up/down) — When a TV menu is on-screen, these buttons function as up/down menu navigation buttons (see page 12).
- ◀ + (Volume)** — When no menu is on-screen, these buttons adjust the volume level (see page 10).
<> (MENU left/right) — When a TV menu is on-screen, these buttons are used for left/right menu navigation and to adjust settings (see page 12).
- MENU** — Press to access the TV SETUP menu (see page 12).
- ⏻ (Input source selection)** — When no menu is on-screen, this button selects the input source (see page 24).
OK — When a TV menu is on-screen, this button functions as the next menu navigation button (see page 12, 24).
- ⏻ (HDMI4 input terminal)** — High-Definition Multimedia Interface input receives digital audio and uncompressed digital video from an HDMI device (see page 34).
- ⏻ (2) (Video 2 input terminals)** — Optional S-video or standard video and standard audio inputs (see page 33).
- 🎧 (Headphone jack)** — For use with headphones.
Note:
When the Headphone jack is being used, the sound from all speakers will be muted, and normal sound will be output to the headphones only.

TV back panel connections



* You can use the cable holder to hold aerial cable, video and audio cables etc.
When moving the TV, never hold this holder.

- 12** **HDMI2 and HDMI3 (input terminals)** — High-Definition Multimedia Interface input receives digital audio and uncompressed digital video from an HDMI device (see page 35).
- 13** **DIGITAL AUDIO (OPTICAL) (output terminal)** — For use when connecting an amplifier with optical type digital audio input (see page 32).
- 14** **HDMI1 (input terminal)** — High-Definition Multimedia Interface input receives digital audio and uncompressed digital video from an HDMI device or uncompressed digital video from a DVI device (see page 34).
- 15** **(4) (Video 4 input terminals)** — High-definition component video and standard (analogue) stereo audio inputs (see page 33).
- 16** **(3) (Video 3 input terminals)** — High-definition component video and standard (analogue) stereo audio inputs (see page 32).
- 17** **(1) (Video 1 input terminals)** — Standard (composite) video and standard (analogue) stereo audio inputs (see page 32).
- 18** **PC/HDMI1 (AUDIO) (input terminal)** — PC audio input terminal is shared with HDMI-1 analogue audio input terminal, and their use can be configured in the **SETUP** menu. (see page 34, 36).
- 19** **RGB/PC (input terminal)** — For use when connecting a personal computer (PC) (see page 36).
- 20** **MONITOR (output terminals)** — Standard video and standard audio outputs (see page 33). No On-Screen-Display will output from these terminals.
- 21** **(Aerial input terminal)** — Aerial signal input (see page 7).

Learning about the remote control

Location of controls

To select TV, REGZA-LINK or DVD mode

Number buttons (0-9) (page 16, 23)

Power on/Standby (page 12)

Input source selection (DTV, 1 – 4, HDMI1 – HDMI4, PC, ATV) (page 24)

To return to the previous programme (page 16)

To switch between Analogue and Digital TV

Volume – + (These buttons adjust the volume level.)

Position ^ v (page 16)

CONTENT MENU (ATV/DTV)

TOP MENU (GUIDE)

RETURN (EXIT)

EXIT (page 13)

Sound mute (This button turns the sound off/on.)

To display digital on-screen information (page 29)

- Menu $\Delta \nabla \triangleleft \triangleright$ (page 12)
- **OK** (page 12)

MENU (page 12)

Teletext control buttons (Four coloured buttons : Red, Green, Yellow, Blue) (page 27)

To display the Channel Lists (page 29)

- TV/TV To display on-screen information (page 16)
- TV/TV Initial/index function for Teletext - analogue only - (page 27)

Teletext on/Superimpose Teletext/off (page 27)

Picture mode selection (page 19)

Picture size selection (page 17)

When using Toshiba DVD,

- press \blacktriangle to EJECT
- press \blacksquare to STOP
- press \blacktriangleright to PLAY
- press II to PAUSE
- press \blacktriangleleft to SKIP REVERSE
- press \blacktriangleleft to REVERSE
- press \blacktriangleright to FORWARD
- press \blacktriangleright to SKIP FORWARD

Press **DVD MENU** to display the menu of DVD disc.

Press **RETURN** to return to the previous menu accessed.

Press **TOP MENU** to display the title menu on DVD disc.

Press **SET UP** to access the on-screen Setup menu for setting adjustment.

Press **AUDIO** to toggle between different audio modes.

When in TV mode:

- SUBTITLE Digital subtitle on/off (page 28)
- CD/I Stereo/bilingual selection (page 21)
- To display the Audio Track menu - digital only -
- TV/TV To access sub-pages when in teletext - analogue only - (page 27)
- TV/TV Picture still (page 18)

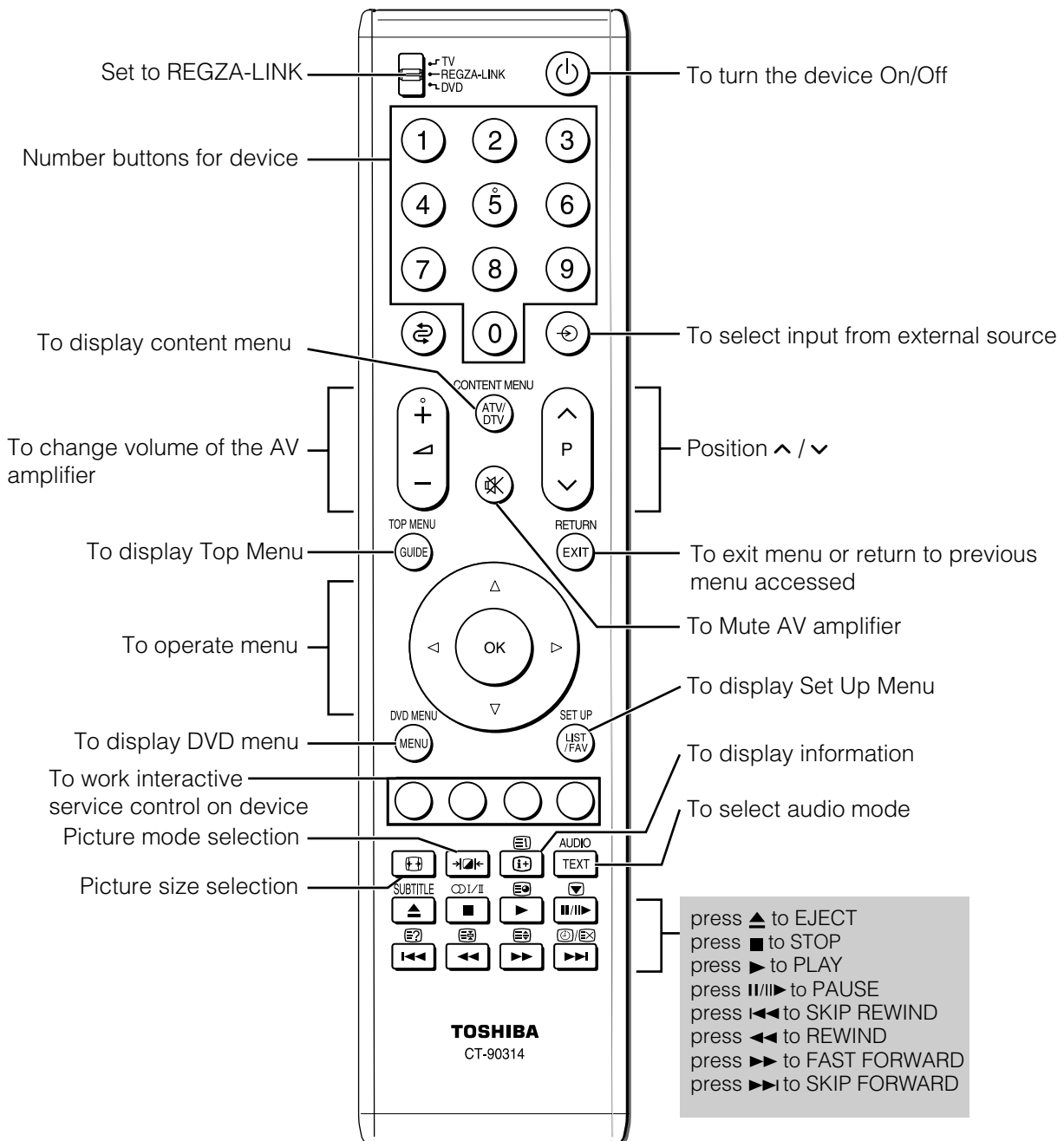
Teletext function - analogue only -

- TV/TV To reveal concealed text (page 27)
- TV/TV To hold a wanted page (page 27)
- TV/TV To enlarge teletext display size (page 27)
- TV/TV To select a page while viewing a normal picture (page 27)
- To select the time display (page 27)

TOSHIBA CT-90314

* For REGZA-LINK remote control functions, please refer to “Location of controls for REGZA-LINK mode” (page 11).

Location of controls for REGZA-LINK mode



The REGZA-LINK mode switch on the TV remote control allows control of the connected REGZA-LINK device being watched. (page 25)

Note:

These functions are dependent on the connected device. Not all of the remote control buttons may be available. Please refer to the owner's manuals of the connected devices.

Turning the TV on

Switching on the TV

Connect the power cord to a wall outlet. The O/I power indicator light should be red (standby mode).

- 1 Press O on the remote control or O/I on the TV right side panel. The O/I power indicator light should be green.

Note:

If you watch black and white programmes when the colour system mode is set to Auto, colour noise may appear on the screen. In this case select the appropriate Colour system (For the system of each country or region, refer to pages 14 and 41).

Switching off the TV

- 1 Press O on the remote control or O/I on the TV right side panel to switch to the standby mode.

Notes:

- The TV is not fully disconnected from the main supply, as minute current is consumed even when O/I is turned off. When the TV will not be used for a long period of time, such as during vacation or travel, remove the power plug from the wall outlet.
- The TV will automatically turn itself off after approximately 15 minutes if it is tuned to a vacant channel or a station that completes its broadcast for the day. This function does not work for external inputs or if Blue Screen mode is set to 'Off'.
- If power is cut off while you are viewing the TV, the Last Mode Memory function turns on the TV automatically when power is applied again. If power is going to be off for a long time and you are going to be away from your TV, unplug the power cord to prevent the TV from turning on in your absence.

Tuning the TV for the first time

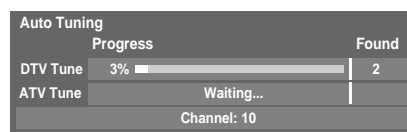
Before switching on the TV, put your decoder and media recorder to **Standby**, if they are connected, and ensure the aerial is connected. To setup the TV, use the buttons on the remote control as detailed on page 10.

- 1 Press the O button. The **Quick Setup** screen will appear. This screen will appear the first time that the TV is switched on and each time "**Reset TV**" (page 24) is executed.



- 2 Press O or O to select the menu language **English** or **Français**.
- 3 Press O to select **Time Zone**, then press O or O to select the item you want to set. (New South Wales, Northern Territory, Queensland, South Australia, Tasmania, Victoria, Western Australia or Australian Capital Territory)

- 4 Press O to display the **Auto Tuning** startup screen. Use O or O to select **DTV and ATV**, **DTV** or **ATV**. Then press O to select **Start Scan** and press O . You must allow the TV to complete the search.



When the search is complete, the TV will automatically select position one.

The **Auto Tuning** results screen will display the services that are found.

Auto Tuning			
DTV Services Found :77 ATV Services Found: 12			
Pos.	Name	Type	Ch.
1	□□□	DTV	35
6	□□	ATV	24
9	□□□	ATV	24
10	□□□□	ATV	35
11	□□□	ATV	24
12	□□□□□	ATV	35
21	□□□□	ATV	32

- 5 Press O or O to view the **DTV** (digital channel) or **ATV** (analogue channel) lists.

Auto Tuning			
DTV Services Found :77 ATV Services Found: 12			
Pos.	Name	Type	Ch.
0	□□□	ATV	31
1	□□	DTV	2
2	□□□	ATV	4
3	□□□□	ATV	6
4	□□□	ATV	8
5	□□□□□□	ATV	9
6	□□□□	ATV	10

- 6 Use O or O to move through the list to select a channel then press O to view.

Notes:

- The time will be set automatically by transmission but can be advanced or decreased by up to 3 hours using **Local Time Setting**.
- The **Quick Setup** menu can also be displayed at any time from the **SETUP** menu.

Learning about the menu system

We suggest you familiarize yourself with the display charts before using the menu system:

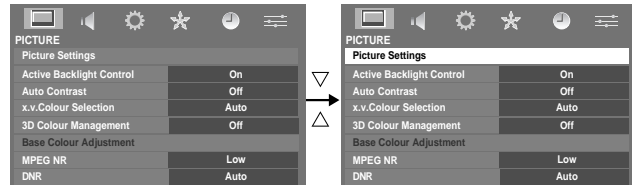
- Press MENU to display menu, then press O or O to select main menu headings.
- Press O or O to select an item.
- Press O or O to select or adjust setting.
- Press O to display the next menu.

Displaying the menu chart

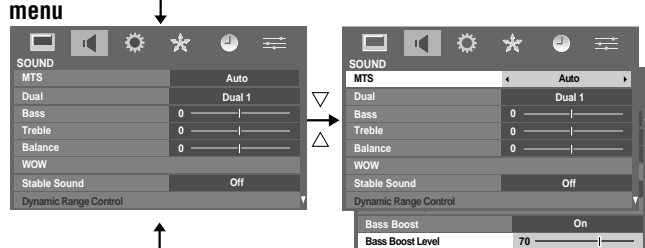
Note:

The same menu is displayed in DTV (Digital TV) and ATV (Analogue TV) modes; however some items are greyed out in each case.

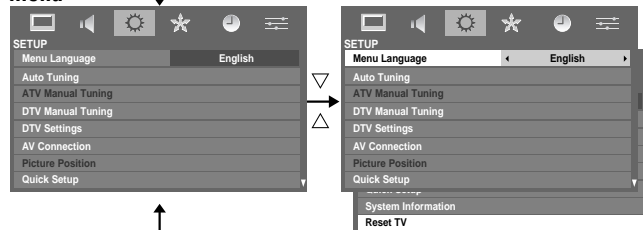
PICTURE menu



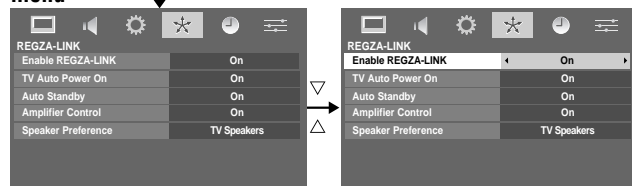
SOUND menu



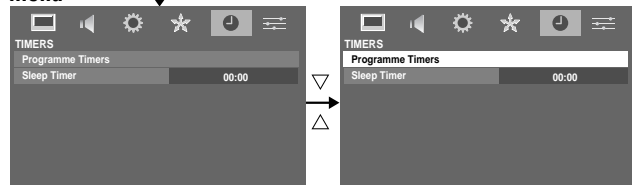
SETUP menu



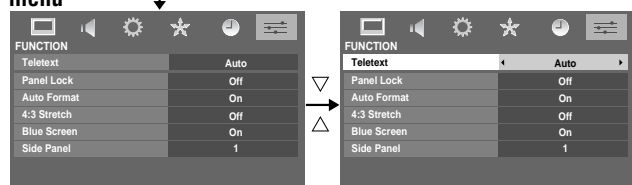
REGZA-LINK menu



TIMERS menu



FUNCTION menu



Notes for menu system:

- In the video input mode (⏪1 - ⏩4), **Auto Tuning**, **ATV Manual Tuning**, **DTV Manual Tuning** and **DTV Settings** are not available. Instead, **Manual Settings** appears in the **SETUP** menu (⏪ page 24).
- If you connect external equipment via component video source, **Colour system** selection in the **Manual Settings** menu is not available.
- If you do not make a selection for a while, the menu display disappears automatically.
- If you want to close the menu display instantly, press (EXIT).
- To return to the previous menu, press (MENU).
- In the PC input mode, **PC Settings** appears in the **SETUP** menu (⏪ page 37).
- In the 480i, 576i or 1080i input signal mode, you can select the **Cinema Mode** in the **Picture Settings** menu (⏪ page 19).
- When the 3D colour management function is set to on (⏪ page 20), you can select **Base Colour Adjustment** in the **PICTURE** menu.

Programming channels into the TV's channel memory

Auto Tuning

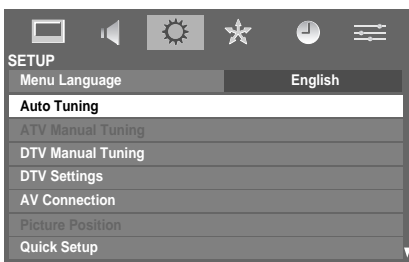
Auto Tuning will completely re-tune the TV and can be used to up-date the channel list.

It is recommended that **Auto Tuning** is run periodically to ensure that all new services are added. All current channels and settings, i.e. favourites and locked channels, will be lost.

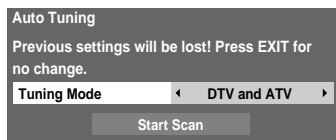
Note:

As new services are broadcast, it will be necessary to retune the TV in order to view them.

- 1 Press **MENU**, and then press **◀** or **▶** to display the **SETUP** menu.
- 2 Press **▽** to select **Auto Tuning**, and then press **OK**.



- 3 A screen will appear warning that previous settings will be deleted.



Use **◀** or **▶** to select **DTV and ATV**, **DTV** or **ATV**. Then, press **▽** to select **Start Scan** and press **OK** to continue with the **Auto Tuning**.

The TV will start to search for all available DTV and/or ATV services.

You must allow the TV to complete the search.

When the search is complete, the **Auto Tuning** screen will display the services found.

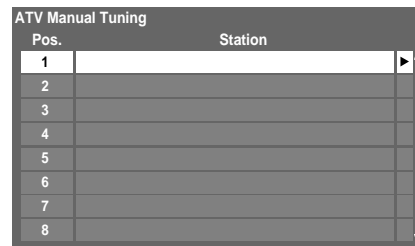
- 4 Use **▽** or **△** to move through the list to select a channel, and then press **OK** to view.

ATV Manual Tuning - analogue only -

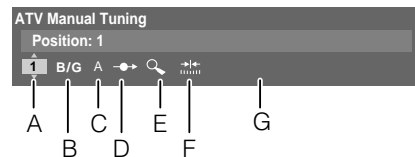
Use the Manual tuning operation if desired channels cannot be preset by Auto Tuning or if you would like to preset channels to specific position numbers one by one.

- 1 From the **SETUP** menu, press **▽** or **△** to select **ATV Manual Tuning**.

- 2 Press **OK** to display the **ATV Manual Tuning** menu. Press **▽** or **△** to select the position you want to arrange.



- 3 Press **OK** to display the settings menu. Press **◀** or **▶** to select an item, then press **▽** or **△** to set the item as shown below.



A. Position selection

B. Sound system (page 41)

C. Colour system (page 41)

A : Automatic (factory set), **P** : PAL, **S** : SECAM
N4 : NTSC 4.43 (MHz), **N3** : NTSC 3.58 (MHz)

If the colour of a certain channel is abnormal, the automatic colour system selection (A) may have malfunctioned, or sound system selection is wrong. In such a case, select another colour and/or sound system (page 41).

D. Position skip selection

Press **▽** or **△** to turn the position skip option on “**↔**” or off “**↔**”.

The position will then be skipped when you select channels with **P** or **P**.

The “**↔**” mark will appear beside the position number when you use the **Number** button on the remote control.

E. Channel search operation

Press **△** to search up the band or **▽** to search down the band.

Press **▽** or **△** repeatedly until your desired channel is displayed.

When a station/satellite is found, it will be displayed.

NEVER PRESS ANY OTHER BUTTONS WHILE THE SET IS TUNING.

F. Auto Fine Tuning

Press **▽** or **△** to turn the Auto Fine Tuning option on “**↔**” or off “**0**”.

The Auto Fine Tuning function automatically corrects slight fluctuations when receiving signals.

Manual Fine Tuning

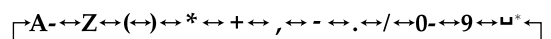
With the Auto Fine Tuning set to “**0**”, press **▽** or **△** until the better picture and sound are obtained.

G. Label

Station labels appear beside the position display each time you turn on the TV, select a channel, or press **1**.

To change or create station labels:

- 1) Press **▽** or **△** repeatedly to select a character for the first space, then press **▶**.



*(blank space)

- Repeat step 1) to enter the rest of the characters. If you would like a blank space in the label name, you must choose a blank space from the list of characters.

Press **OK** to store your settings.

Sorting positions - analogue -

ATV channels may be moved and stored to the position of your choice.

- From the **SETUP** menu, press ∇ or \triangle to select **ATV Manual Tuning**.
- With the list of channels now showing, press ∇ or \triangle to select the channel you want to move and press \triangleright .

ATV Manual Tuning	
Pos.	Station
1	ABCD
2	EFGH
3	IJKL
4	MNOP
5	
6	
7	
8	

- Use ∇ or \triangle to move through the list to your preferred position. As you do so, the other channels will move to make room.
- Press \triangleleft to store your move. Repeat as necessary, then press **EXIT**.

DTV Manual Tuning - digital only -

This feature is available for service engineers or can be used for direct channel entry if the multiplex channel is known.

- Press **MENU**, then press \triangleleft or \triangleright to display the **SETUP** menu.
- Press ∇ or \triangle to select **DTV Manual Tuning**, then press **OK**.

SETUP	
Menu Language	English
Auto Tuning	
ATV Manual Tuning	
DTV Manual Tuning	
DTV Settings	
AV Connection	
Picture Position	
Quick Setup	

- Enter the multiplex number using the number buttons or use \triangleleft or \triangleright to adjust the number up or down and then press **OK**. The TV will start to search for that multiplex.

DTV Manual Tuning	
UHF	34
Signal Strength	WEAK STRONG
Quality	GOOD
16 New channels - Total 26	
New Pos.	Name
831	
832	
833	
834	
835	

When the multiplex is found, any channels that are not currently in the channel list will be added and the channel information will be updated.

- Repeat as necessary. Press **EXIT** to finish.

Channels

The DTV channel order may be changed to suit your personal preference.

- From the **SETUP** menu, press ∇ or \triangle to select **DTV Settings** and press **OK**.
- Press ∇ or \triangle to select **Channels**, then press **OK**.

DTV Settings	
Channels	
Channel Options	
TV/Radio Mode	All Channels
PIN Setting	
Parental Control	
Local Time Setting	

- With the list of channels showing, press ∇ or \triangle to select the channel you want to move, then press **OK**.

Channels			
Pos.	Name	Type	
6			
9			
11			
31			
34			
36			
48			
52			

- Use ∇ or \triangle to move through the list to your preferred position. As you do so, the other channels will move to make room.
- Press **OK** to store your move. Repeat as necessary, then press **EXIT**.

The Skip setting for the highlighted channel can be switched between "Set/Not Set" by pressing the **RED** button on the remote control. This feature allows you to set channels that will be skipped when **Pv** or **PA** are used to tune. However, these channels will still be available by direct number entry (when tuned a \rightarrow icon will be displayed in the banner to indicate as a skipped channel).

Channels			
Pos.	Name	Type	
805			
806			
807			
808			
809			
810			\rightarrow
811			
812			

Watching TV programmes

Viewing Digital programmes - digital only -

After you have tuned the TV, you have several ways to navigate through all programmes:

- Press the **Number** buttons. You may omit the leading zeroes, which will be appended automatically.
- Press **P[^]** / **P^v** to view the previous and next position. The channels are arranged in ascending order according to the channel number.
- Press **LIST FAV** to display the **Channel Lists** and press **▽** or **△** to select a channel, then press **OK** to view the channel. See page 29 for more details.

Changing the position - analogue only -

- 1 Enter the desired position number using the **Number** buttons on the remote control.
For positions below 10, use 0 and the required number e.g., for position 1.
- 2 You can also change the position by using **P[^]** or **P^v**.

Note:

Position selection change between different format channels takes several seconds.

Switching between positions

You can switch positions without entering an actual position number each time.

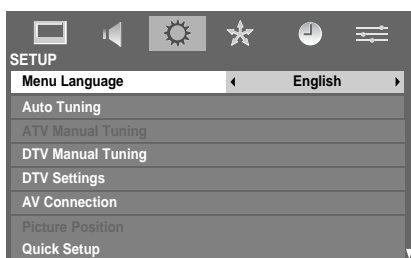
- 1 Select the first position you want to view.
- 2 Select the second position with the **Number** buttons (0-9).
- 3 Press **↔**. The previous position will be displayed.

Each time you press **↔**, the TV will switch back and forth between the two positions.

Selecting the menu language

Choose from 2 different languages (English or French) for the On-Screen-Display.

- 1 Press **MENU**, and then press **◀** or **▶** to display **SETUP** menu.
- 2 Press **▽** or **△** to select **Menu Language**.
- 3 Press **◀** or **▶** to select the desired language.



Displaying the on-screen information

- analogue only -

- 1 Press **ⓘ** to display the following on-screen information.



The information will disappear in 6 seconds.

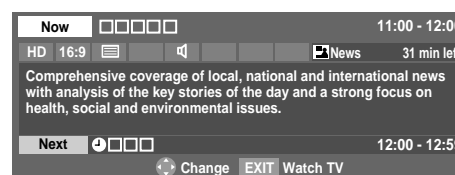
- Position or external input mode selected
- Position skip on/off information
- Label (if set)
- Mono/Stereo/Dual audio status

- 2 To close the display instantly, press **ⓘ** again.

On-screen information - digital only -

When viewing in Digital TV, the on-screen information will give the details of the programme currently being viewed.

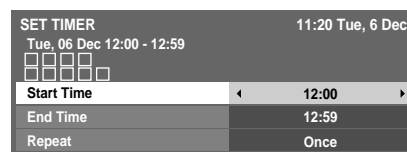
- 1 Press **ⓘ+**, to display the on-screen information.



On-screen information contains the following information:

- Current Channel Number
- Channel Name
- Skip (if set) (↔)
- Now and Next Programme Names
- Current date and time
- Received programme video format (SD/HD)
- Teletext availability (≡)
- Subtitle (closed-caption) availability (indicated by CC)
- Parental rating (PG, MA, G, R, etc.)
- Dolby® Digital audio track availability (indicated by **Dolby D**)
- Programme Timer (if set) (⌚)

- 2 Press **▽** or **△** to select the "Now" or "Next" information guide.
- 3 To record the following programme, select "Next" and, press **OK**. The **SET TIMER** screen will appear.



- 4 The details of the programme will have been added to the timer. Press **OK** to save.

To indicate that a timer has been set, a clock icon will be displayed in the **Next** field of the information screen (⌚).

Using the TV's features (General)

Picture adjustment

Selecting the picture size

- 1 Press **(F)** to display the picture size list, and then press **▽** or **△** to select the appropriate picture size (or press **(F)** repeatedly to select required picture size directly).

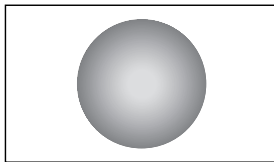
Ex. HDMI 1080i input signal



- 2 Press **(OK)**.

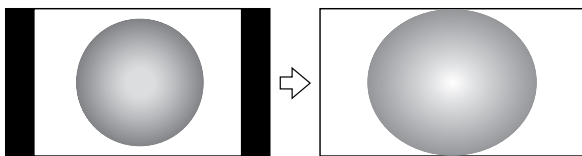
Wide

Use this setting when watching a wide-screen DVD, wide-screen video tape or a 16:9 broadcast (when available). Due to the range of wide-screen formats (16:9, 14:9, 20:9 etc.), you may see bars on the top and bottom of the screen.



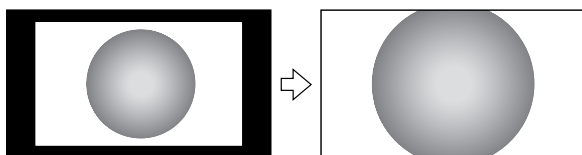
Super Live 2

When receiving "side panel format" signal, this setting will enlarge the image to fit the screen by stretching the image vertically and horizontally, holding the better proportions at the centre of the image. Also the black bars on the both sides of the screen will eliminate or reduce.



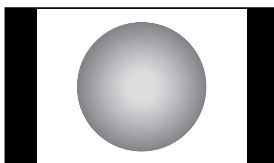
Cinema 2

When watching "all sides panel format" films/video tapes, this setting will eliminate or reduce the black bars on all the sides of the screen by zooming in and selecting the image without distortion.



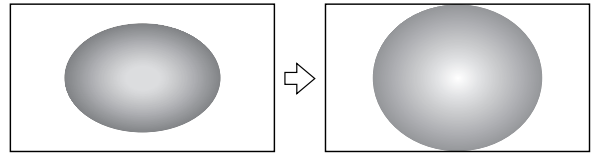
4:3

Use this setting to view a true 4:3 broadcast.



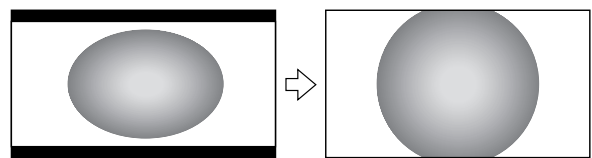
Super Live 1

When receiving "4:3 format" signal, this setting will enlarge the image to fit the screen by stretching the image vertically and horizontally, holding the better proportions at the centre of the image.



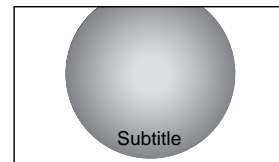
Cinema 1

When watching "letterbox format" films/video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.



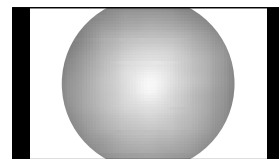
Subtitle

When subtitles are included on a letterbox format broadcast, this setting will raise the picture so that the most of the text is displayed.



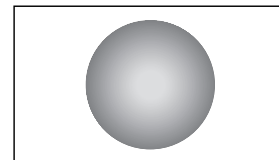
14:9

Use this setting when watching a 14:9 broadcast.



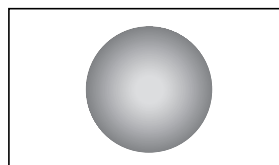
Exact Scan

When receiving 1080i or 1080p signal format, this setting will display the image correctly without distortion or picture clipping.



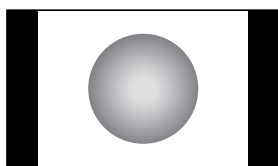
Native

Use this setting for PC connected via HDMI. When receiving video signal source via HDMI input, this setting will display the image correctly without distortion or picture clipping.



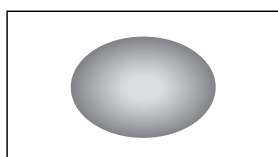
PC Normal

Use this setting for PC connected via HDMI or RGB/PC terminal when receiving PC signal format. This setting will display the image correctly without distortion or picture clipping.



PC Wide

Use this setting for PC connected via HDMI or RGB/PC terminal when receiving PC signal format. This setting will display the image without picture clipping.



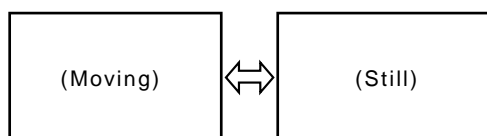
Notes:

- Using the special functions to change the size of the displayed image (e.g. changing the height/width ratio) for the purpose of public display or commercial gain may infringe on copyright laws.
- If the aspect ratio of the selected format is different from the one of the TV transmission or video programme, it can cause a difference in display. Change to the correct aspect ratio picture size to fix this.
- For a PC connected via HDMI or RGB/PC terminal (see page 36), the picture size selection is **PC Wide** or **PC Normal** only.
- When using a PC connected via HDMI or RGB/PC terminal, moving image quality may deteriorate.
- In 720p input signal mode, the picture size options are **Native**, **Wide**, **Super Live 2**, **Cinema 2**, **4:3**, **Super Live 1** and **Cinema 1**.
- In Digital TV, the picture size options are **Super Live 1**, **Cinema 1**, **Wide**, **Super Live 2**, **Cinema 2** and **4:3**. When receiving 1080i or 1080p signal, you can additionally choose **Exact Scan**.
- When using a **Exact Scan** you may observe a shift in picture position. This is due to the signal source and is not a defect of the TV.
- When DTV teletext (see page 28) or Subtitle (see page 28) is displayed, picture size selection is not available.

Using the picture still

- Press to freeze the picture.

Even if an image is frozen on the TV screen, the pictures are running on the input source. Audio continues to be output as well. To return to a moving picture, press again.



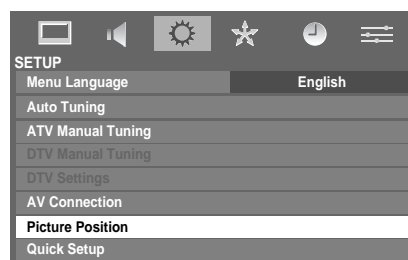
Notes:

- If you use this function except for the purpose of your private viewing and listening, it may infringe upon copyrights protected by copyright laws.
- In PC input mode (see page 24), this function is not available.

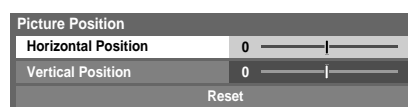
Adjusting the picture position - analogue only -

Adjustment to the position of the picture may be made to suit your viewing preferences.

- From the **SETUP** menu, press ∇ or \triangle to select **Picture Position**.



- Press , then press ∇ or \triangle to select an item you want to adjust.



- Press \triangleleft or \triangleright to adjust the settings as required.



Notes:

- When the picture size is in **Wide** or **4:3** mode, only the **Horizontal Position** can be adjusted.
- When the picture size is in **Native**, **PC Wide**, **PC Normal** mode, this function will not be available.
- When the picture size is in **Exact Scan** mode, this function will not be available.

Resetting the picture position - analogue only -

This function resets your picture position settings to the factory settings.

- From the **Picture Position** menu, press ∇ or \triangle to select **Reset**.
- Press .

Activating picture preferences

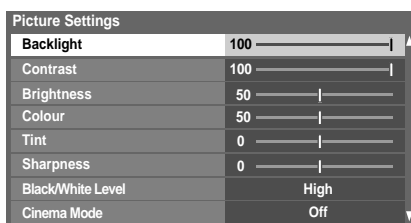
- The picture modes of this TV are customizable. Press \rightarrow $\left[\text{Picture} \right]$ \leftarrow to view the different modes available.

The preset modes are: **Dynamic**, **Standard**, **Movie**, **Game** and **PC (PC Fine)**. These modes affect many functions/settings of the TV. You can customize the settings of the current picture mode as desired. For example, if you select **Dynamic**, you can adjust the following settings: **Backlight**, **Contrast**, **Brightness**, **Colour**, **Tint**, **Sharpness**, **Black/White Level**, **Cinema Mode**, and **Colour Temperature**. Your new customized settings are stored as **User setting**.

Notes:

- Game** mode is only available in external input mode (other than aerial input). When you select **Game** mode, a suitable widescreen format will be selected.
- PC** mode is only available in RGB/PC input mode or HDMI input mode.
- PC Fine** mode is only available for a TOSHIBA PC (REGZA-LINK type) on an HDMI input with the **Enable REGZA-LINK** option in the **REGZA-LINK** menu set to "On". If both of these conditions are fulfilled, then "Auto" will appear for **Black/White Level**, **Cinema Mode**, **Film Stabilization**, and **ClearFrame**.

- Select **Picture Settings** from the **PICTURE** menu.

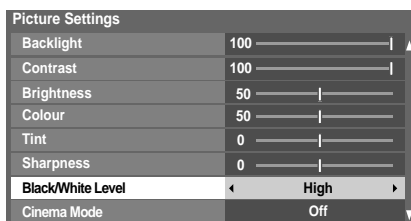


- Use \leftarrow and \rightarrow to adjust the **Backlight**, **Contrast**, **Brightness**, **Colour**, **Tint**, and **Sharpness**.

Setting the Black/White Level

Black/White Level improves the definition of dark areas of the picture.

- From the **Picture Settings** menu, press ∇ or \triangle to select **Black/White Level**.
- Press \leftarrow or \rightarrow to select **Off**, **Low**, **Middle** or **High**.



Using the Cinema Mode

A movie film's picture runs at 24 frames a second, whereas movie software such as DVD, etc., that you enjoy watching on your television at home runs at 30 (NTSC) or 25 (PAL) frames a second. To convert this signal to reproduce smooth motion and picture quality, select the **On** mode.

Effective signal and setup conditions:

- Video input mode is selected.
- Input signal format is 480i, 576i or 1080i signals.

- From the **Picture Settings** menu, press ∇ or \triangle to select **Cinema Mode**.

- Press \leftarrow or \rightarrow to select **On** or **Off**.

Note:

When a DVD movie with subtitle is being played, this mode may not work correctly.

Adjusting Film Stabilization

The **Film Stabilization** function allows the adjustment and improvement of motion smoothness.

- From the **Picture Settings** menu, press ∇ or \triangle until **Film Stabilization** is selected.

- Press \leftarrow or \rightarrow to select **Off**, **Smooth** or **Standard**.

Using ClearFrame

This function eliminates motion blur without adding flicker or reducing image brightness and improves the viewing quality of a motion picture.

- From the **Picture Settings** menu, press ∇ or \triangle until **ClearFrame** is selected.

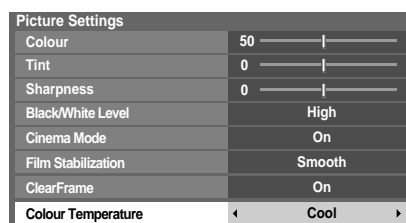
- Press \leftarrow or \rightarrow to select **On** or **Off**.

Adjusting the Colour Temperature

Colour Temperature increases the warmth or coolness of the picture by increasing the red or blue tint.

- From the **Picture Settings** menu, press ∇ or \triangle until **Colour Temperature** is selected, and then press \odot .

- Press \leftarrow or \rightarrow to select **Cool**, **Natural**, or **Warm** to suit your preference.



Using the Active Backlight Control

In order to improve screen visibility, the active backlight control sets the screen brightness automatically during dark scenes.

- From the **PICTURE** menu, press ∇ or \triangle to select **Active Backlight Control**.

- Press \leftarrow or \rightarrow to select **On** or **Off**.

Note:

In PC input mode (see page 24), this function is not available.

Activating Auto Contrast

When **Auto Contrast** is activated, it will automatically optimize the backlighting levels to suit ambient light conditions.

- 1 From the **PICTURE** menu, press ∇ or \triangle to select **Auto Contrast**.
- 2 Press \triangleleft or \triangleright to select **On** or **Off**.

Setting x.v.Colour Selection

The colour range of x.v.Colour (page 35) is an international standard and enables a wider colour range than conventional video applications. If the **x.v.Colour Selection** is set to **Auto**, your TV will automatically detect images supporting x.v.Colour.

- 1 From the **PICTURE** menu, press ∇ or \triangle to select **x.v.Colour Selection**.
- 2 Press \triangleleft or \triangleright to select **Auto**, **On** or **Off**.

Note:

If a non-HDMI input is selected or the **x.v.Colour** setting in the **HDMI Settings** menu is set to **Off**, this function is not available.

Adjusting 3D Colour Management

You can adjust picture colour quality by selecting from 6 base colour adjustments : **Red, Green, Blue, Yellow, Magenta** and **Cyan**.

- 1 Press MENU , then press \triangleleft or \triangleright to display the **PICTURE** menu.
- 2 Press ∇ or \triangle to select **3D Colour Management**, then press \triangleleft or \triangleright to select **On**.



- 3 Press ∇ or \triangle to select **Base Colour Adjustment**.
- 4 Press OK , then press ∇ or \triangle to select the item you want to adjust.

Base Colour Adjustment			
	Hue	Saturation	Brightness
Red	0	0	0
Green	0	0	0
Blue	0	0	0
Yellow	0	0	0
Magenta	0	0	0
Cyan	0	0	0
Reset			

- 5 Press \triangleright , then press \triangleleft or \triangleright to select **Hue, Saturation** or **Brightness**.

	Hue	Saturation	Brightness
Red	0	0	0

- 6 Press ∇ or \triangle to adjust the settings as required.

Notes:

- If you set **3D Colour Management** to **Off**, this feature will not be available.
- In PC input mode (page 24), this feature is not available.

Resetting the Base Colour Adjustment

The reset function returns the base colour adjustment to the factory settings.

- 1 From the **Base Colour Adjustment** menu, press ∇ or \triangle to select **Reset**.
- 2 Press OK .

Note:

In PC input mode (page 24), this function is not available.

Activating MPEG NR (Noise Reduction)

If the incoming MPEG signal exhibits noise (is grainy), depending on the compression and conversion, the noise may be reduced when using this function.

- 1 From the **PICTURE** menu, press ∇ or \triangle to select **MPEG NR**.
- 2 Press \triangleleft or \triangleright to select **Off**, **Low**, **Middle** or **High**.



Note:

In PC input mode (page 24), this feature is not available.

Activating DNR (Digital Noise Reduction)

- analogue only -

If the incoming signal is weak and the picture is blurry, the picture may be improved when using this function.

- 1 From the **PICTURE** menu, press ∇ or \triangle to select **DNR**.
- 2 Press \triangleleft or \triangleright to select **Auto**, **Off**, **Low**, **Middle** or **High**.



Note:

In PC input mode (page 24), this function is not available.

Using Auto Format

When the TV receives a true HDMI signal picture and Auto Format is On, the picture will automatically be displayed in HDMI signal format, irrespective of the TV's previous setting. When in Digital TV, the display format will follow the broadcasted format.

- 1 Press MENU , then press \triangleleft or \triangleright to display the **FUNCTION** menu.

FUNCTION	
Teletext	Auto
Panel Lock	Off
Auto Format	On
4:3 Stretch	Off
Blue Screen	On
Side Panel	1

- 2 Press ∇ or \triangle to select **Auto Format**, then press \triangleleft or \triangleright to select **On** or **Off**.

Sound adjustment

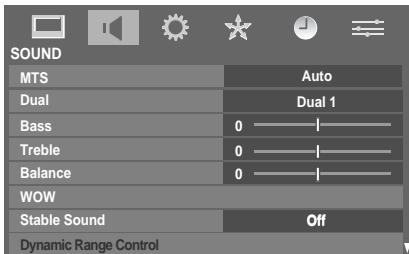
Setting the MTS (Multi-channel TV Sound)

- analogue only -

Auto mode

The MTS Auto mode automatically recognizes stereo/bilingual programmes depending on the broadcast signal.

- 1 Press **MENU**, and then press **<** or **>** to display the **SOUND** menu.



- 2 Press **▽** or **△** to select **MTS**, and then press **<** or **>** to select **Auto** or **Mono**.

Mono mode

If you experience noise or poor reception of any stereo/bilingual programme, set the **MTS** mode to **Mono**. Noise will be reduced and reception may improve.

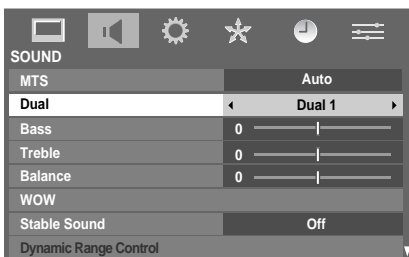
Note:

If you experience noise with a particular programme whose channel reception is usually good, try setting MTS mode to **Auto**, then switch **(DUAL)** to **(MONO)** (monaural) (see page 21).

Selecting Dual 1 or Dual 2 mode - analogue only -

You can hear only Dual 1 or Dual 2 sound, when bilingual programmes are received.

- 1 Press **MENU**, and then press **<** or **>** to display the **SOUND** menu.



- 2 Press **▽** or **△** to select **Dual**, and then press **<** or **>** to select **Dual 1** or **Dual 2**.

Notes:

- When the MTS setting is in **Mono** mode, the **Dual** menu is not selectable.
- The **Dual** menu setting status remains even if the TV is turned off.

Stereo and Bilingual transmissions

For ATV programmes

If stereo or dual language broadcasts are transmitted, the word **Stereo** or **Dual** will appear on the screen each time positions are changed, disappearing after a few seconds. If the broadcast is not in stereo, the word **Mono** will appear.

Stereo... Press **(DUAL)** to select **Stereo** or **Mono**.

Bilingual... Bilingual transmissions are rare. If they are transmitted, the word **Dual** will display. Choose the desired channel number, and if the word **Dual** appears, press **(DUAL)** to select **Dual 1**, **Dual 2**, **Mono (NICAM)** or **Dual 1** or **Dual 2** (German stereo/bilingual broadcast).

For DTV programmes

For stereo or dual mono broadcasts, press **(DUAL)** and use **<** or **>** to select settings.

Mode Display	Pressing >
<input type="radio"/> Stereo	Stereo → Left → Right
<input checked="" type="radio"/> Dual mono	Dual 1 → Dual 2 → Dual
<input type="radio"/> Mono	—
<input type="radio"/> Surround	—

Adjusting the sound quality

- 1 From the **SOUND** menu, press **▽** or **△** to select the item you want to adjust.
- 2 Press **<** or **>** to adjust the settings as desired.

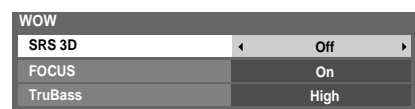
Selection	<	Pressing >
Bass	weaker	stronger
Treble	weaker	stronger
Balance	decreases the right channel	decreases the left channel

Using SRS WOW[®] surround sound

SRS WOW[®] is a special combination of SRS Labs audio technologies that creates a thrilling surround sound experience with deep, rich bass from stereo sound sources. Your TV's audio will sound fuller, richer and wider.

WOW[®] consists of three features; SRS[®] 3D, SRS FOCUS[™], and SRS TruBass[®].

- 1 From the **SOUND** menu, press **▽** or **△** to select **WOW**, and then press **(OK)**.
- 2 Press **▽** or **△** to select an item you want to adjust, and then press **<** or **>** to adjust the settings as required.



SRS 3D: To turn the surround effect **On** or **Off**.

FOCUS: To turn the vocal emphasis effect **On** or **Off**.

TruBass: To select the desired bass expansion level (**Off**, **Low** or **High**).

Notes:

- If the broadcast is monaural, the SRS® 3D effect does not work.
- WOW, SRS and (●) symbols are trademarks of SRS Labs, Inc.
- WOW technology is incorporated under license from SRS Labs, Inc.
- The SRS WOW® effect is active only when the sound outputs from the speaker.

Using Stable Sound

The Stable Sound function limits the highest volume level to prevent extreme changes in volume when the signal source changes (for example, to prevent the sudden increase in volume that often happens when a TV programme switches to a commercial).

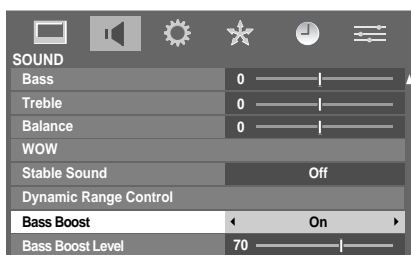
- 1 From the **SOUND** menu, press ∇ or \triangle to select **Stable Sound**.
- 2 Press \triangleleft or \triangleright to select **On** or **Off**.

Note:

The Stable Sound effect is active only when the sound outputs from the speaker.

Using the Bass Boost

- 1 From the **SOUND** menu, press ∇ or \triangle until **Bass Boost** is selected.
- 2 Press \triangleleft or \triangleright to select **On**.



- 3 Press ∇ to select **Bass Boost Level**.
- 4 Press \triangleleft or \triangleright to adjust the Bass Boost Level.
- 5 To turn off the Bass Boost, press ∇ or \triangle to display **Bass Boost**, then press \triangleleft or \triangleright to select **Off**.

Note:

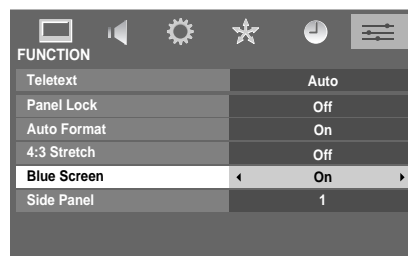
The Bass Boost effect is active only when the sound outputs from the speaker.

Other feature settings

Activating Blue Screen

With the Blue Screen function **On**, the screen will automatically turn blue and the sound will be muted when no signal is being received.

- 1 Press MENU , then press \triangleleft or \triangleright to display the **FUNCTION** menu.
- 2 Press ∇ or \triangle to select **Blue Screen**.



- 3 Press \triangleleft or \triangleright to select **On** or **Off**.

Note:

In PC input mode (page 24), this function is not available.

Activating 4:3 Stretch

When **4:3 Stretch** is activated, this function will switch 4:3 format programmes into a full screen picture.

- 1 From the **FUNCTION** menu, press ∇ or \triangle to select **4:3 Stretch**.
- 2 Press \triangleleft or \triangleright to select **On** or **Off**.

Adjusting Side Panel

You can adjust the brightness of the side panels in 14:9 or 4:3, etc. mode.

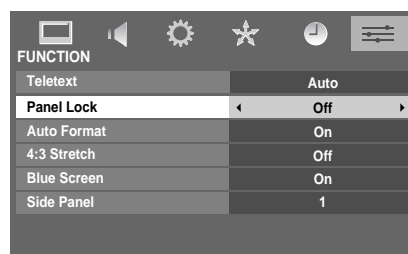
- 1 From the **FUNCTION** menu, press ∇ or \triangle to select **Side Panel**.
- 2 Press \triangleleft or \triangleright to adjust the settings as desired.



Panel Lock

Panel Lock disables the buttons on the TV. All buttons on the remote control can still be used.

- 1 From the **FUNCTION** menu, press ∇ or \triangle to select **Panel Lock**.



- Press ◀ or ▶ to select **On** or **Off**.

Note:

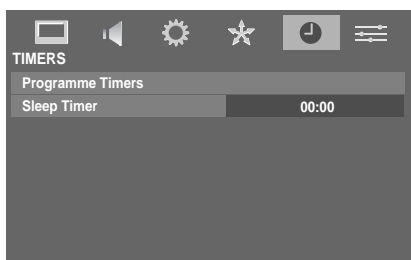
When **Panel Lock** is **On**, a reminder will appear when the buttons on the TV are pressed. If the standby button is pressed, the TV will switch off and can only be brought out of standby by using the remote control.

The timers

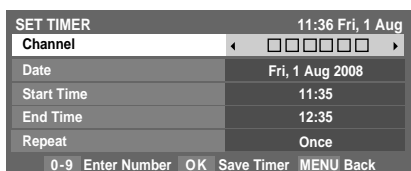
Programme Timers - digital only -

This feature will set the TV to go to a specific channel at a certain time. It can be used to view a particular programme, or by setting the mode to daily or weekly, can be used to view a series of programmes.

- Press (MENU), then press ◀ or ▶ to display the **TIMERS** menu.



- Press ▼ to select **Programme Timers**, and then press (OK).
- Press ▼ if necessary to select an open timer position, and then press (OK). The **SET TIMER** menu will now appear on screen.
- Press ▼ or ▲ to go through the list adding the details of the programme by using the number buttons and ◀ or ▶ to make selections.



- When all the details have been entered, press (OK) to save the timer. The Digital TV timer indicator (⏰ page 8) will appear orange. When the programme timer activates, the indicator will change from orange to red.

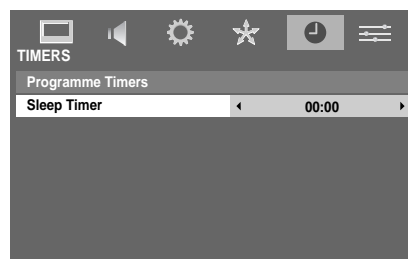
Note:

When a timed programme is about to start, an information screen will appear offering the option of watching or cancelling the timer. The menus and other channels will not be available during the timed programme unless the programme timer is cancelled. Programme timers are not performed when the TV is turned off with the ⏻ POWER switch.

Setting the Sleep Timer

The Sleep Timer is especially useful if you want the TV to turn itself off after a selected period of time.

- Press (MENU), and then press ◀ or ▶ to display the **TIMERS** menu.

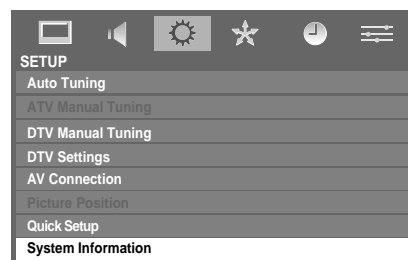


- Press ▼ or ▲ to select **Sleep Timer**.
- Press **Number** buttons (0-9) to set the time period to turn off the TV. Alternatively, press ◀ or ▶ to set the time period. The timer display will set in blocks of 10 minutes to 12 hours and 50 minutes.
- Press (EXIT) to start the timer.

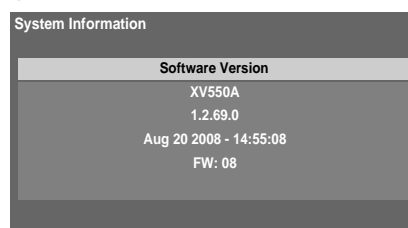
Confirming Software Version

This feature can be used to check the version of software currently installed.

- Press (MENU), and then press ◀ or ▶ to display the **SETUP** menu
- Press ▼ or ▲ until **System Information** is selected.



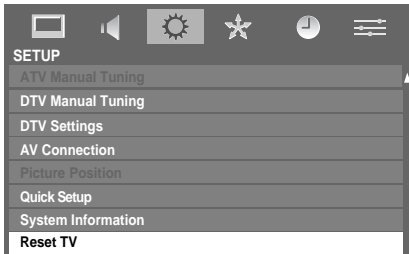
- Press (OK) to display the **Software Version**.



Resetting the TV

Reset TV will reset all TV settings, including stored channels, to their original factory values.

- 1 From the **SETUP** menu, press ∇ or \triangle until **Reset TV** is selected.



- 2 Press **OK**.
A screen will appear warning that all settings will be lost. Select **Yes** and then press **OK** to continue.
When the set powers back on, the **Quick Setup** screen will appear. Press **OK** to continue, the TV will then display the **Auto Tuning** menu (page 14).

Selecting the video input source

- 1 Press \odot on the remote control to display the video input mode list, and then press ∇ or \triangle to select appropriate input source (or press \odot on the TV side panel or \odot on the remote control repeatedly to select the desired input source directly).



Ex. PC VGA mode



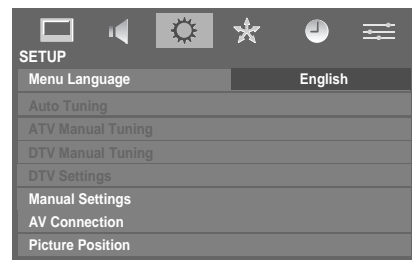
- 2 Press **OK**.
DTV (Digital TV),
 \odot 1 (\odot 1), video 1 input),
 \odot 2 (\odot 2), video 2 input) or \odot 2S (S-video input),
 \odot 3 (\odot 3), component video input),
 \odot 4 (\odot 4), component video input),
HDMI1, HDMI2, HDMI3, HDMI4 (HDMI input),
PC (\odot RGB/PC, PC input),
ATV (Analogue TV)

Notes:

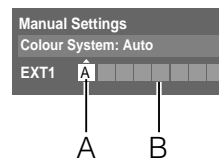
- When component video, PC, or HDMI input modes are selected, the **MONITOR** terminals (page 32) output audio signal only.
- If a REGZA-LINK device is connected to an HDMI input, the **REGZA-LINK** icon will appear.
- When the TV is switched on, it will take a few minutes for the **REGZA-LINK** icon to appear in the list; when an HDMI cable is removed, it will take a few minutes for the icon to disappear.
- If the HDMI cable from a connected device or the HDMI device settings is changed, **Enable REGZA-LINK** in the **REGZA-LINK** menu may need to be reset to **On**.

Setting the Manual Settings menu - analogue only -

- 1 Press **MENU**, and then press \triangleleft or \triangleright to display the **SETUP** menu.



- 2 Press ∇ or \triangle to select **Manual Settings**, and then press **OK**.
- 3 Press \triangleleft or \triangleright to select an item, and then press ∇ or \triangle to select the item as shown below.



A. Colour System

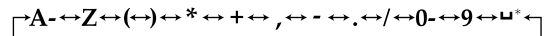
Confirm that colour system is set to "A" (Auto). If not, select "A" with ∇ or \triangle .

B. Video label

The video label allows you to label each input source for your TV.

To change or create video labels:

- 1) Press ∇ or \triangle repeatedly to select a character for the first space, and then press \triangleright .



*(blank space)

- 2) Repeat step 1 to enter the rest of the characters.
If you would like a blank space in the label name, you must choose a blank space from the list of characters.
- 3) Press **OK** to store your settings.

Using REGZA-LINK

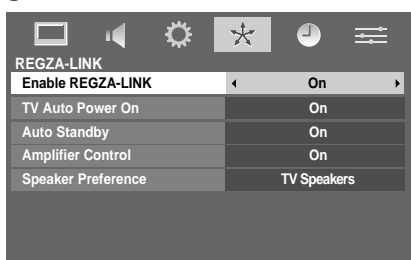
This feature uses CEC (Consumer Electronics Controls) technology and allows the control of Toshiba REGZA-LINK compatible devices from the TV remote control via HDMI connection (see page 38).

Note:

Not all Toshiba products currently support REGZA-LINK.

REGZA-LINK Setup

- 1 Press **MENU** and **◀** or **▶** to select the **REGZA-LINK** menu.



- 2 Press **▽** or **△** to select **Enable REGZA-LINK**, and then press **◀** or **▶** to select **On**.

Note:

If you set **Enable REGZA-LINK** to **Off**, then all other items will be greyed out.

- 3 Press **▽** or **△** to select the REGZA-LINK set up item you want to use, and press **◀** or **▶** to select **On/Off** or the desired speakers mode.
 - **TV Auto Power On: On/Off**
 - **Auto Standby: On/Off**
 - **Amplifier Control: On/Off**
 - **Speaker Preference: TV Speakers/Amplifier**

REGZA-LINK one touch play

When a connected device is switched on, REGZA-LINK will automatically switch the TV to the appropriate HDMI input. Also, if the TV is in standby, it will be switched on automatically.

These functions can be enabled or disabled from the REGZA-LINK setup.

Note:

Even if the device is only showing a menu, the TV may automatically switch to that input source.

REGZA-LINK system standby

This feature automatically puts the connected device into standby when the TV goes into standby and vice versa.

REGZA-LINK system audio control

Using the Speaker Preference feature allows the TV remote control to adjust the volume or mute the sound of the speakers connected to the TV via an AV amplifier.

Ensure that the connected AV amplifier and REGZA-LINK device are selected in the input source selection and that **Speaker Preference** is set to **Amplifier** in the **REGZA-LINK** setup menu.

Notes:

- When you turn on the AV amplifier, change its input source, or adjust the sound volume, the sound will be output from the AV amplifier's speakers even if **TV Speakers** has been selected for **Speaker Preference**. Turn the TV first to standby and then on again to output the sound from the TV speakers.
- The proper function may not work when operating the AV Amplifier.

Note:

The above functions are dependent on the connected device and TV setting.

REGZA-LINK functions

When **Enable REGZA-LINK** is set to **On**, the following functions can be enabled by setting them to **On**.

TV Auto Power On

The **TV Auto Power On** setting allows the TV to be automatically switched on if a REGZA-LINK device is turned on.

Auto Standby

If **Auto Standby** is enabled, the TV, when switched off, will automatically switch off (put into standby mode) all connected REGZA-LINK devices.

Amplifier Control

When **Amplifier Control** is set to **On**, it allows the "Speaker Preference" feature to become available.

Speaker Preference

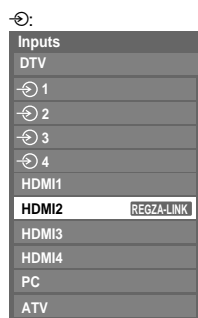
This feature allows the Speaker Preference to be set to **TV Speakers** or **Amplifier**. The Amplifier option allows the remote control to adjust or mute the volume of the external audio.

Notes:

- When you turn on the Amplifier, change its input source, or adjust the sound volume, the sound will be output from the Amplifier's speakers even if **TV Speakers** has been selected. Turn the TV to standby and then on again to output the sound from the TV speakers.
- The above functions are dependent on the connected device and TV setting.

REGZA-LINK input source selection

When devices that use CEC technology have been connected, the REGZA-LINK icon will show in the input source list.



To select the REGZA-LINK input source, refer to “Selecting the video input source” on page 24.

Notes:

- This function depends on the devices connected.
- If you select the REGZA-LINK input source from the popup window, some REGZA-LINK devices may automatically turn on.
- When the TV is switched on, it will take a few minutes for the **REGZA-LINK** icon to appear in the list; when an HDMI cable is removed, it will take a few minutes for the icon to disappear.
- If the HDMI cable from a connected device or HDMI device settings are changed, **Enable REGZA-LINK** in the **REGZA-LINK** menu may need to be reset **On**.

To control the REGZA-LINK device

First, select the **HDMI** input source with the desired REGZA-LINK device connected. Then switch the mode on the remote control to **REGZA-LINK** and press the available button on the remote control (page 11).

The TV features that can be controlled by the connected device remote control are:

Power standby, Volume, Programme channel, Sound mute, Input selection, Number buttons, Previous channel.

Note:

These functions are dependent on the connected device. Not all the remote control buttons may be available. Please refer to the owner's manual for all the connected devices.

REGZA-LINK PC link

This feature automatically adjusts the suitable widescreen formats and picture preferences when connected to a REGZA-LINK PC.

Note:

This feature depends on the connected equipment.

Teletext in Analogue TV

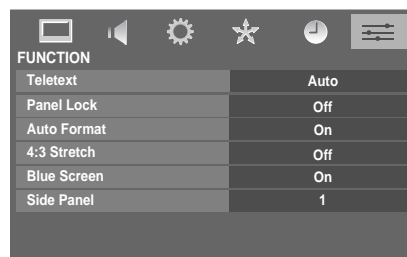
This TV has a multi-page teletext memory, and it offers two ways of viewing Teletext **Auto** and **List** which are explained below.

Setting up the teletext mode

To select teletext mode:

Select a channel position with the desired teletext service.

- 1 Press **(MENU)**, and then press **<** or **>** to display the **FUNCTION** menu.



- 2 Press **>** or **<** to select **Teletext**, and then press **<** or **>** to select **Auto** or **List** mode.

Notes:

- It may take a few moments for the multi-page teletext memory to load.
- You must exit teletext mode in order to display the main menu.

Teletext general information

(TEXT) button:

Pressing **(TEXT)** once will bring up the teletext screen. Press again to superimpose the teletext over a normal broadcast picture. Press again to return to normal TV mode. You need to return to normal viewing if you wish to change channels.

When you first press **(TEXT)** to access the text service, the first page you see will be the initial page.

In **Auto** mode, this displays the main subjects available and their relevant page numbers.

In **List** mode, you will see the page numbers currently stored for **each colour** button.

Sub-pages:

Once on the chosen page, if there are sub-pages they will automatically load into memory without affecting the page currently being viewed. If there are many sub-pages, it may take some time for them all to load. The length of time will depend on the speed with which the broadcaster transmits them.

To access the sub-pages in memory, press **(E)**, then use **P^ / Pv** to view them.

Note:

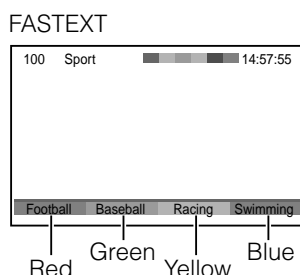
If you press **(V)** while this mode is activated, it will be cancelled.

Using Auto mode

There are two Modes: **Auto** will display FASTEXT. **List** will display your four favourite pages. In either mode, as an alternative to the coloured buttons, you can access a page by entering a 3-digit number or by using the **P[^]** / **P^v** keys to go back and forth between pages.

To change between **Auto** and **List**, please see "Setting up the teletext mode" on the previous page.

- Press **(TEXT)** to access teletext.



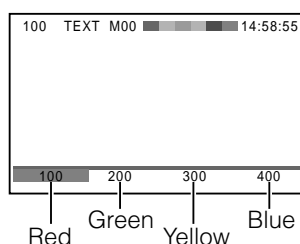
If FASTEXT is available, you will see 4 coloured titles at the bottom of the TV screen. To access any given subject, simply press the relevant coloured button on the remote control.

If FASTEXT is not available, you can access any page simply by entering a 3-digit page number or pressing the corresponding coloured button.

For further information on your particular text system(s), see the broadcast teletext index page or consult your local Toshiba dealer.

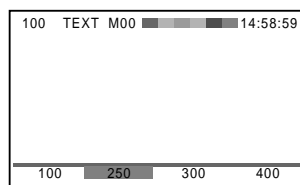
Using LIST mode

- 1 Press **(TEXT)** to access teletext.



The four choices at the bottom of the screen are now number – **100, 200, 300** and **400**, which have been programmed into the TV's memory.

- 2 To view these pages, use the coloured prompt buttons. e.g. press the Green button to view page 200.
- 3 If you want to change these stored pages, press the coloured button for the colour you want to change. e.g. Press the Green button and enter the 3-digit number.



This number will change in the top left of the screen and in the coloured highlight.

- 4 Press **(OK)** to store your choice.

- 5 You may view other pages by simply entering the 3-digit page number – but NEVER press **(OK)** or you will lose the favorite already stored.

Teletext buttons on the remote control

Below is an introduction to the teletext buttons on your remote control and their functions.

(≡i) To display an index/initial page:

In Auto-mode

Press **(≡i)** to access the index page. The one displayed is dependent on the broadcaster.

In LIST-mode

Press **(≡i)** to return to the 100 page or initial page.

(≡?) To reveal concealed text:

Some pages cover topics such as quizzes and jokes. To discover the solutions, press **(≡?)**.

(≡x) To hold a wanted page:

At times it is convenient to hold a page of text. Press **(≡x)** and **(≡x)** will appear in the top left of the screen. The page will be held on screen until the button is pressed again.

(≡=) To enlarge the teletext display size:

Press **(≡=)** once to enlarge the top half of the page, and press again to enlarge the bottom half of the page. Press again to revert to the normal size.

(⏪/⏩) To select a page while viewing normal picture:

When in teletext mode, if a page selection is made and then **(⏪/⏩)** is pressed, normal picture will be displayed. The TV will indicate when the page is present by displaying the title bar of the text page at the top of the screen. Press **(TEXT)** to view the page.

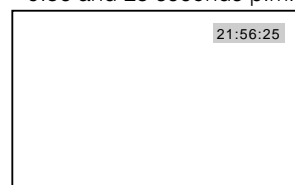
Note:

*It will not be possible to change TV channels while in Teletext mode. You will have to cancel the teletext first by pressing **(TEXT)** to return to normal TV picture.*

To select the time display:

If you press **(⏪/⏩)** while watching a normal TV broadcast, you will see a time display from the broadcaster. It will remain on the screen for about 5 seconds.

9:56 and 25 seconds p.m.



Note:

*If you press **(⏪)** while this mode is activated, it will be cancelled.*

Teletext in Digital TV

- 1 When on-screen information indicates the presence of Teletext (☰) in a channel, press (TEXT) to view Teletext. Press (TEXT) again to superimpose the Teletext over normal broadcast picture. Press again to close Teletext and watch TV.
- 2 Press P[^] and P^v to select Teletext pages. Press the **Number** buttons in order to view a Teletext page directly. If FASTTEXT is available, simply press the relevant coloured button on the remote control.
- 3 Press (EXIT) to close Teletext and watch TV.

Subtitles

- 1 When on-screen information (🗨 page 16) indicates the presence of Subtitles (CC) in a channel, press (SUBTITLE) to display the current **Subtitle** status. While this status is displayed, press again to change the setting. Subtitle On or Off can be selected.
- 2 If you switch off the TV, the **Subtitle** mode will be remembered the next time it is switched ON.

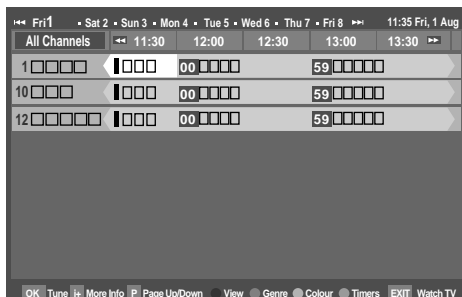
Notes :

- If **Subtitle** is ON, the TV will always display subtitles whenever such information is available for the channel you are viewing. You may use on-screen information to check if subtitles are currently available.
- In Australia, you may also enter Subtitle mode by directly entering page 801 in Teletext. However, by doing so, the TV remains in Teletext mode, and you cannot change the channels. This is because P[^] and P^v will change Teletext pages rather than channels. To view subtitles, it is recommended that you turn on Subtitle mode.

Other Digital TV features and settings

Using the EPG (Electronic Programme Guide)

- 1 Display the on-screen guide by pressing **GUIDE**. The guide screen will appear highlighting details of the channel and programme currently being viewed. This may take a few moments to appear.



You can switch the time scale to 1.25 or 2.5 hours by pressing the **RED** button.

Note:

Channels are displayed based on the current **TV/Radio Mode** setting. Skipped channels are not displayed.

- 2 Press **◀** or **▶** for information on other programmes scheduled for the channel selected.
- 3 For details of other programmes currently available, press **▽** or **△** to scroll up and down the channel list. As channels are selected, details of the programme currently being broadcast will appear. Press **◀** or **▶** to view information for future programmes.

Note:

Press the **BULE** button to open the **Programme Timers** menu.

- 4 For information on a highlighted programme, press **(i+)**.

Note:

In order for the recording operation to work properly, the media recorder must be set to the same time as the TV. Regarding the process for recording, please refer to the owner's manual of the recording equipment.

- 5 Press **▶▶** to move the EPG forward by 24 hours, press **◀◀** to go back. Pressing **▶▶▶** or **◀◀◀** will move the EPG forwards or backwards a page at a time. Press **Pv** to advance to the next page, or press **P^** to go back to the previous page.

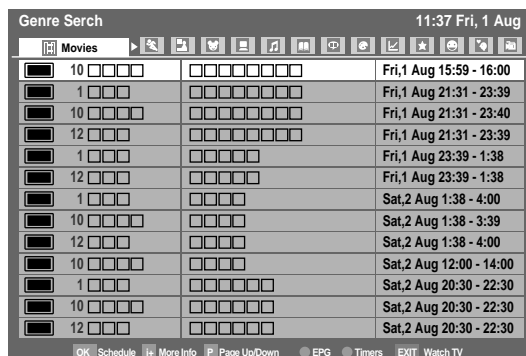
Genre selection/searching

From the guide screen, you can use the genre selection and search features.

- 1 Press the **GREEN** button from the guide screen. The **Genre Colour Setup** window will appear.



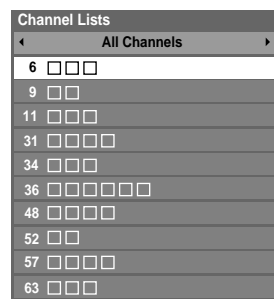
- 2 With the focus on a particular genre, press the desired colour key to assign. All four colours will be available. Press **MENU** to go back to the guide screen.
- 3 Press the **YELLOW** button to access the **Genre Search** screen.



- 4 Press **◀** or **▶** to select the genre. Programmes listed will change for the new genre. Press **▽** or **△** to highlight a particular programme.
- 5 When a current programme is selected, pressing **OK** will tune to that programme. When a future programme is selected, pressing **OK** will open the **SET TIMER** menu.
- 6 For information on a highlighted programme, press **(i+)**.
- 7 To exit the **Genre Search** and go back to the guide screen, press the **YELLOW** button.

Favourite Channel Lists

- 1 Press the **LIST/FAV** button. The **Channel Lists** will appear. Press **◀** or **▶** to select the TV/Radio Mode List or Favourites 1-4. The number of favourites available depends on how many favourite lists have been created.



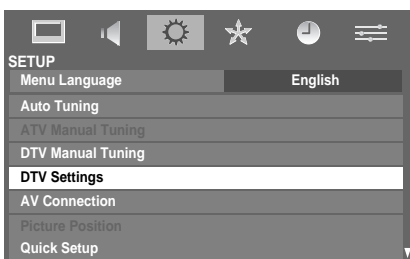
- 2 Press **▽** or **△** to highlight a channel, and press **OK** to watch.

Digital settings - Channel Options

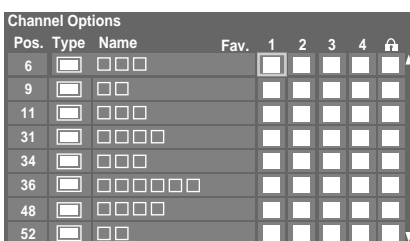
Selecting favourite channels

Favourite Channels creates a list of the digital channels that are watched most. Four lists can be created; these can be a mixture of TV and radio channels.

- 1 Press **MENU**, and then press **<** or **>** to display the **SETUP** menu.
- 2 Press **▽** or **△** to select **DTV Settings**, and then press **OK**.



- 3 Press **▽** to select **Channel Options** and press **OK**.

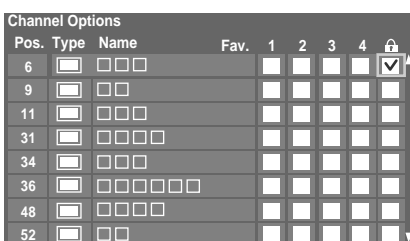


- 4 Use **▽** **△** **<** **>** to go through the list of channels. Press **OK** to select the ones desired. Ticks will appear in the boxes as they are selected. To select all channels in the highlighted column, press the **RED** button. To erase all channels in the highlighted column, press the **GREEN** button.

Locking channels

Locking Channels stops the viewing of digital channels; they can only be accessed by entering the PIN.

- 1 From the **DTV Settings** menu, press **▽** to select **Channel Options**, and then press **OK**.
- 2 Press **>** repeatedly to select the Locked Channel list.
- 3 Use **▽** and **△** to go through the list of channels. Press **OK** to select the ones desired. Ticks will appear in the boxes. If a PIN has already been set, PIN entry will be required to set the locked channels.



- 4 Press **EXIT**.
- 5 From this point on, when any of the channels in the Locked Channel list are selected the PIN must be entered before they can be accessed.

TV/Radio Mode

This feature determines the channel list profile that will be applied to regular channel changing, the programme guide, and the **LIST FAV** button in digital mode.

- 1 From the **DTV Settings** menu, press **▽** or **△** to select **TV/Radio Mode**.
- 2 Use **<** or **>** to select **All Channels**, **TV** or **RADIO**.

Note:

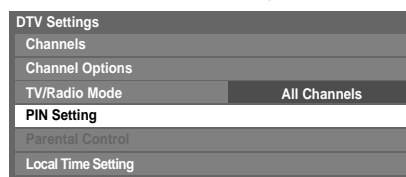
When setting to **TV** or **RADIO**, using the **Pv** and **P^** button will now only access that particular type of channel; however, channels that are not in the currently selected list can still be selected by direct position number entry.

Digital settings - Parental Control

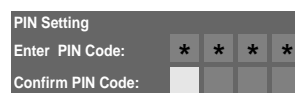
In order to prevent viewing of unsuitable films and programmes, channels and menus can be locked. These can then only be accessed with a security code PIN when in digital mode.

Setting the PIN

- 1 From the **DTV Settings** menu, press **▽** or **△** to select **PIN Setting**, and then press **OK**.



- 2 Using the number buttons, enter a four digit number. Once entered you will be prompted to confirm by entering again.



The PIN is now set to Enabled. Press **MENU** to go back to **DTV Settings**.

If the PIN code has been set, when **Auto Tuning** and **Reset TV** are executed, entering the PIN will be necessary.

Parental Setup

The Parental Control feature allows you to block programmes according to their rating levels. If a PIN has been set, you will need to enter it before adjusting the level.

- 1 From the **DTV Settings** menu, press ∇ to select **Parental Control**.



- 2 Press \triangleleft or \triangleright to choose the **Parental Setup** options (**None, Block All, Block G and Above, Block PG and Above, Block M and Above, Block MA and Above, Block AV and Above, Block R and Above**).

To view blocked programmes, enter the PIN.

To reactivate the Parental Control, turn the TV off and then on again.

Local Time Settings

This function allows you to manually set the time zone and override the location that you have chosen during Auto Scan. Please note that if you manually change the time zone setting, all existing entries in the programme timer will become invalid as they are still based on the old time zone. It is recommended that you delete all the entries in the programme timer before proceeding with the steps described below.

- 1 From the **DTV Settings** menu, press ∇ or \triangle to select **Local Time Setting**.
- 2 Press OK , and then press ∇ or \triangle to select **Time Zone**.
- 3 Press \triangleleft or \triangleright to select the item you want to set. (**New South Wales, Northern Territory, Queensland, South Australia, Tasmania, Victoria, Western Australia, Australian Capital Territory**)



- 4 Press ∇ to select **Time Offset**, and then press \triangleleft or \triangleright to set as required.

Digital Output Format

- 1 From the **SETUP** menu, press ∇ or \triangle to select **AV Connection**, and then press OK .
- 2 Press ∇ or \triangle to select **Digital Output**.



- 3 Press \triangleleft or \triangleright to select **Auto** or **PCM**
 - Auto:** Select this when an amplifier equipped with a built-in Dolby Digital or MPEG decoder is connected to the TV.
 - PCM:** Select this when a 2ch digital stereo amplifier is connected to the TV. When you select a Dolby Digital or MPEG audio track, the sound is converted to the PCM (2ch) format and output.

Note:

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

Dynamic Range Control

This feature allows control of audio compression for digital TV programmes excluding those with MPEG-1 and MPEG-2 audio.

When using **Dynamic Range Control** for Dolby Digital sound, **Audio Level Offset** is available to adjust the sound level. Using this function can reduce the difference in sound level between MPEG-2 and Dolby Digital audio.

- 1 Press MENU and press \triangleleft or \triangleright to select the **SOUND** menu.
- 2 Press ∇ or \triangle to select **Dynamic Range Control**, then press \triangleleft or \triangleright to select **On** or **Off**.



- 3 Press ∇ or \triangle to select **Audio Level Offset**.
- 4 Press \triangleleft or \triangleright to adjust the **Audio Level Offset** from -11 to 0. This setting will be applicable to Dolby Digital audio.

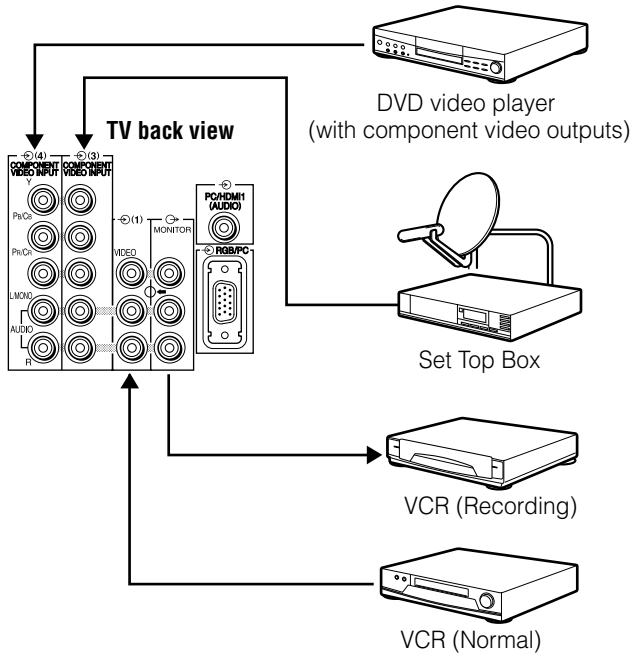
Note:

If the **Stable Sound** and **Dynamic Range Control** features are both set to **On**, the effects of each function may not be noticeable.

Connecting your TV

Back connections

Connection example



- Before connecting any external equipment, turn off all main power switches.
- The unauthorized recording of television programmes, DVDs, video tapes and other materials may infringe upon the provisions of copyright law.
- The **COMPONENT VIDEO INPUT** consists of three component video signals (**Y**, **P_B/C_B**, **P_R/C_R**) and provides better picture performance. These terminals can only be used with the component video compatible equipment e.g. DVD video player, etc.
- Additional equipment and cables shown are not supplied with this TV.

Connecting an audio system - digital only -

You can enjoy high quality dynamic sound by connecting the TV to an audio system.

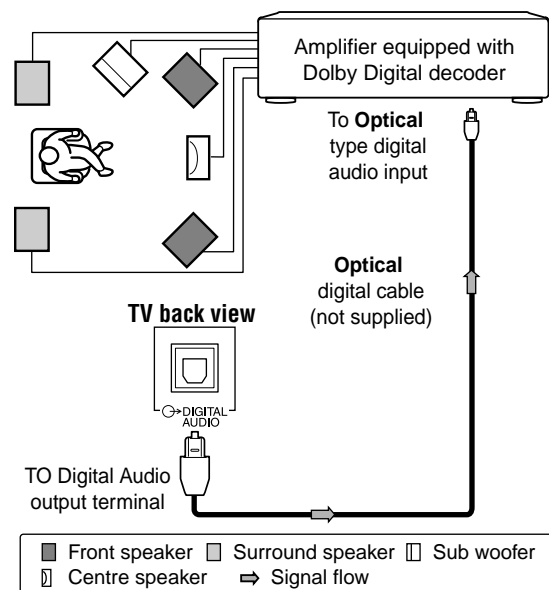
Notes:

- **DO NOT** connect the **DIGITAL AUDIO** output terminal to the AC-3 RF input of a Dolby Digital Receiver with a built-in Dolby Digital decoder.
- Connect the **DIGITAL AUDIO** output terminal to the **OPTICAL** input of a Receiver or Processor.
- Refer to the owner's manual of the connected equipment as well.
- When you connect the TV to other equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before making any connections.
- The output sound of the TV has a wide dynamic range. Be sure to adjust the audio amplifier's volume to a moderate listening level before turning on the power. Otherwise, the speakers and your hearing may be damaged by a sudden high volume sound.
- Turn off the amplifier before you connect or disconnect the TV's power cord. If you leave the amplifier power on, the speakers may be damaged.

Warning:

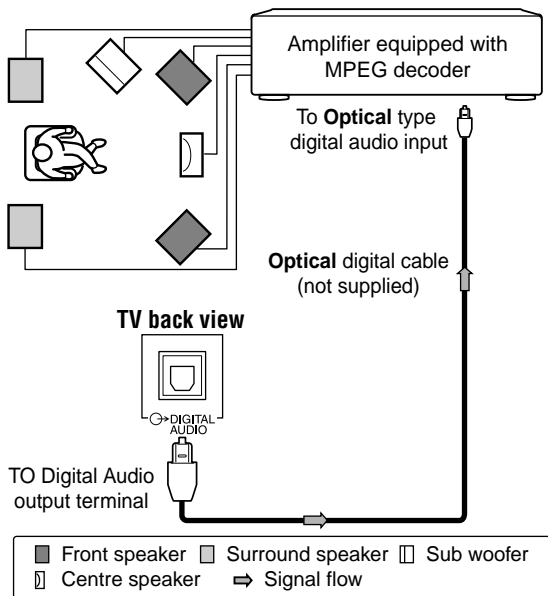
When you are connecting (via the **DIGITAL AUDIO** output terminal) an AV decoder that does not have Dolby Digital or MPEG decoding function, be sure to set **PCM** for Digital Output (see page 31). Otherwise, the speakers and your hearing may be damaged by a sudden high volume sound.

Connecting an amplifier equipped with a Dolby Digital decoder



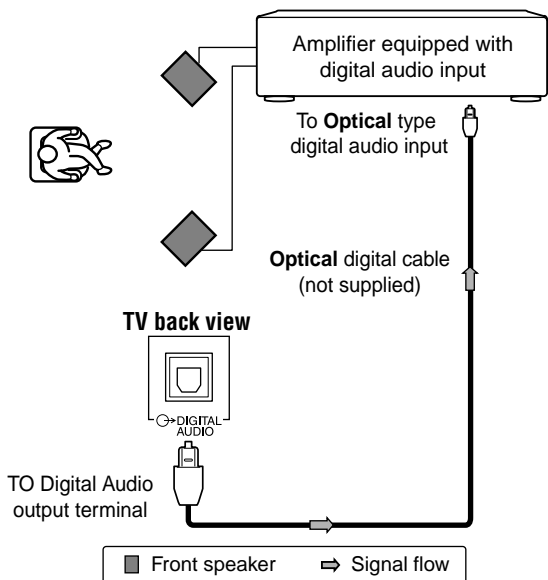
You can enjoy dynamic realistic sound by connecting the TV to an amplifier equipped with a Dolby Digital decoder or Dolby Digital processor. When using this setup, select **Auto** in the Digital Output menu.

Connecting an amplifier equipped with an MPEG decoder



You can enjoy motion picture with dynamic realistic sound by connecting the TV to an amplifier equipped with an MPEG audio decoder or MPEG audio processor. When using this setup, select **Auto** in the Digital Output menu.

Connecting an amplifier equipped with a digital audio (optical) input



You can enjoy dynamic sound of 2-channel digital stereo by connecting the TV to an amplifier equipped with a digital audio (optical) input and speaker system (right and left front speakers). When using this setup, select **PCM** in the Digital Output menu.

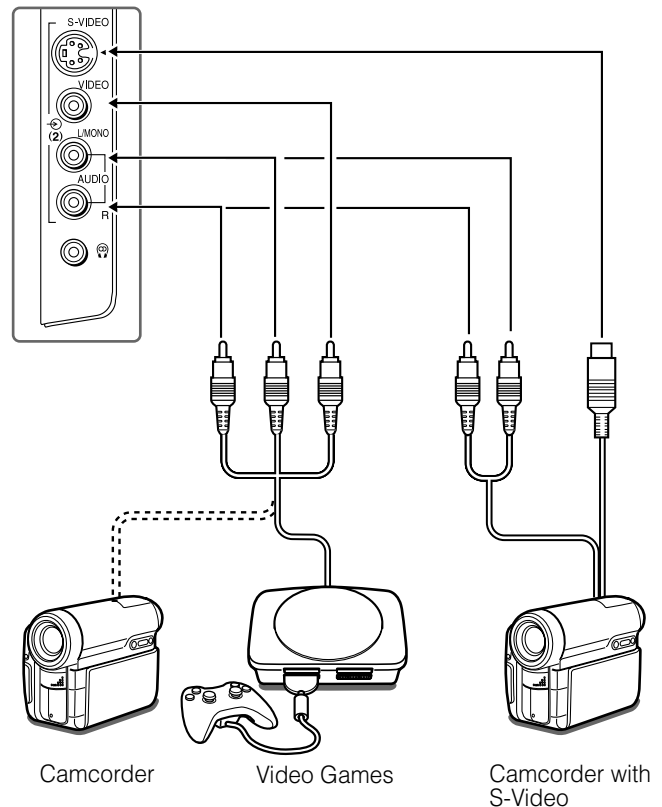
Side connections

You can connect a wide variety of auxiliary equipment via the terminals located on the right side of the panel **2**.

Please always refer to the owner's manual of the equipment to be connected for full details.

Connection example

TV right side view



- To select the side inputs, press **2** to display the video input mode list, press ∇ or Δ to select **2** (page 24), and then press **OK**.
- Before connecting any external equipment, turn off all main power switches.
- If you connect to both the **S-VIDEO** input terminal and **VIDEO** input terminal, the **S-VIDEO** signal will appear on the screen (display changes to **2S**).
- If you connect mono sound equipment to **2**, connect the audio output of the equipment to the **L/MONO** jack on the TV.
- You can enjoy Video Games with this TV. However shooting games, where the player shoots at a target on the TV screen with a light gun, may not work because of the LCD Colour TV properties.

Connecting an HDMI or a DVI device

- When turning on your electronic components, turn on the TV first, and then the HDMI or DVI device.
- When turning off your electronic components, turn off the HDMI or DVI device first, and then the TV.
- This TV may not be compatible with features and/or specifications that may be added in the future.
- This TV is only operable with L-PCM on 32/44. 1/48 kHz and 16/20/24 bits. If there is no sound when using HDMI, use the analogue audio cables to connect the TV and the HDMI device and select **Analogue** for **HDMI1 Audio** of the **AV Connection** menu (see page 35).

Connecting an HDMI or a DVI device

The HDMI input on your TV receives digital audio and uncompressed digital video from an HDMI device or uncompressed digital video from a DVI device.

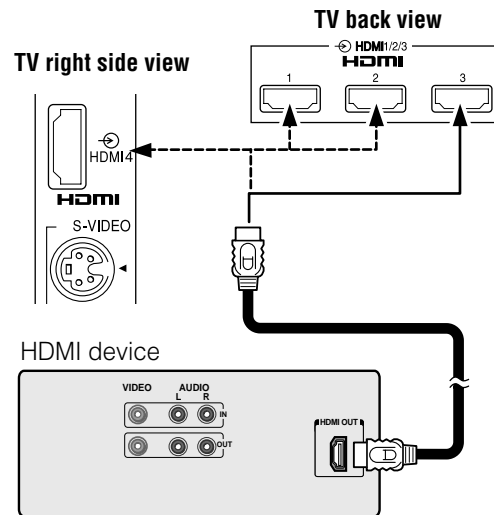
This input is designed to accept HDCP programme material in digital from CEA-861-D compliant consumer electronic devices (such as a set top box or DVD player with HDMI or DVI output).

The HDMI input is designed for best performance with 1080i (50 Hz/60 Hz), 1080p (24Hz/50Hz/60Hz) high-definition video signals, but will also accept and display 480i, 480p, 576i, 576p and 720p (50 Hz/60 Hz) signals.

- **HDMI:** High-Definition Multimedia Interface
- **DVI:** Digital Video Interface
- **HDCP:** High-bandwidth Digital Content Protection
- CEA-861-D compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the TV.
- **E-EDID:** Enhanced-Extended Display Identification
- Acceptable PC signal format:
 VGA: VESA 640 × 480 @ 60/72/75 Hz
 S-VGA: VESA 800 × 600 @ 60/72/75 Hz
 XGA: VESA 1024 × 768 @ 60/70/75 Hz
 W-XGA: VESA 1280 × 768 @ 60/75 Hz
 W-XGA: VESA 1360 × 768 @ 60 Hz
 S-XGA: VESA 1280 × 1024 @ 60/75 Hz
 However, these signal formats are converted to match the number of pixels of the LCD panel.
 Therefore, the TV may not display small text properly.
- **L-PCM:** Linear-Pulse Code Modulation

Connecting an HDMI device

One HDMI cable (type A connector)



For proper operation, it is recommended that you use a short HDMI cable.

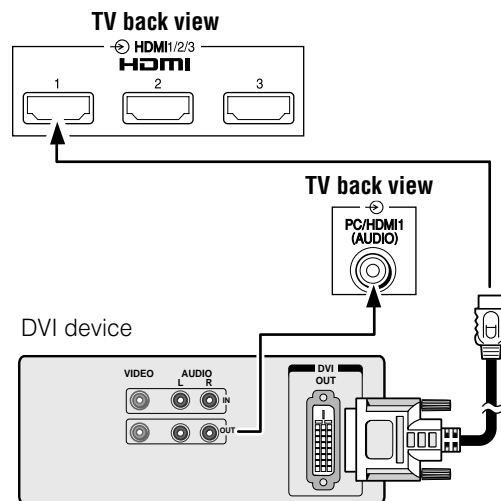
HDMI cable transfers both video and audio.

Note:

It is possible that some HDMI devices may not operate properly with this TV.

Connecting a DVI device

One HDMI (type A connector)-to-DVI adapter cable and audio cables



HDMI (type A connector)-to-DVI adapter cable

For proper operation, the length of an HDMI-to-DVI adapter cable should not exceed 3m. The recommended length is 2m.

Standard analogue audio cables

An HDMI-to-DVI adapter cable transfers only video. Separate analogue audio cables are required.

Note:

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.

Selecting the PC/HDMI1 audio mode

You can select PC audio or HDMI1 audio when using this function (☞ page 34).

- 1 Press **MENU**, and then press **◀** or **▶** to display the **SETUP** menu.
- 2 Press **▽** or **△** to select **AV Connection**, and then press **OK** to display the **AV Connection** menu.



- 3 Press **▽** or **△** to select **PC/HDMI1 Audio**, and then press **◀** or **▶** to select **PC** or **HDMI1**.

Setting the HDMI1 audio mode

You can select from three sound modes for an HDMI or DVI device connected to the HDMI1 input terminals (☞ page 34): **Auto**, **Digital** or **Analogue**.

Note:

This function is available only when the PC/HDMI1 Audio mode is set to **HDMI1**.

- 1 From the **AV Connection** menu, press **▽** or **△** to select **HDMI1 Audio**.



- 2 Press **◀** or **▶** to select **Auto**, **Digital** or **Analogue**.

Selecting the HDMI setting

The HDMI Settings menu consists of the following 3 items: **Deep Colour**, **x.v.Colour** and **Lip Sync**. Some early HDMI equipment may not work properly with your HDMI TV. If you experience trouble, unplug your HDMI cable first and then try setting these three options to **Off**. This should allow your early HDMI source to operate properly with your TV.

- 1 From the **AV Connection** menu, press **▽** or **△** to select **HDMI Settings**, and then press **OK**.



- 2 Press **▽** or **△** to select each item, and then press **◀** or **▶** to select the desired setting.

Deep Colour mode

This function increases the available colours from the HDMI source to increase the boundaries defined by the RGB or YCbCr colour space.

x.v.Colour

This function expands the acceptable colour range (limits) of HDMI signals, and allows sending of wider colour signals from HDMI sources.

Lip Sync mode

This option activates an auto audio/video display timing adjustment function that allows HDMI source devices to accurately perform synchronization automatically.

All above HDMI settings require a proper HDMI source device.

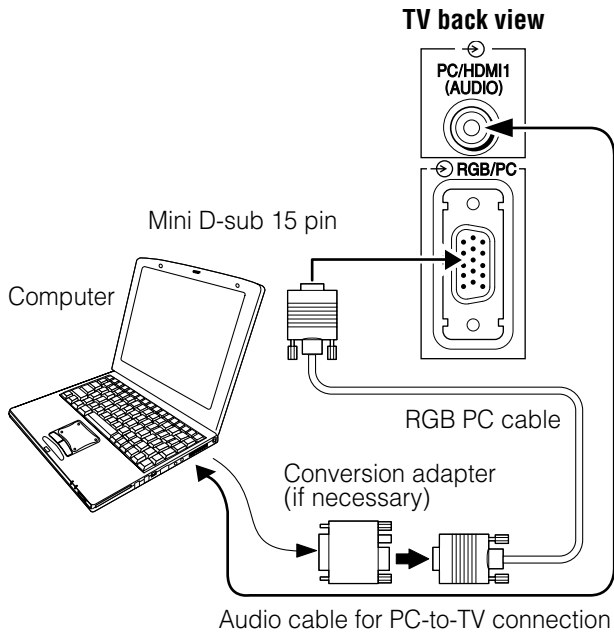
If HDMI source products do not support these functions, the TV may not work properly by activating these functions.

Notes:

- In non-HDMI signal mode, this function is not available.
- If your HDMI connection is capable of 1080p and/or your TV is capable of refresh rates greater than 60Hz or supports Deep Colour, you will need a Category2 cable. Conventional HDMI/DVI cables may not work properly with this mode.

Connecting a computer

To connect a PC to the RGB/PC terminal on the TV:
An analogue RGB (15 pin) computer cable can be connected.



Connect a PC cable from the computer to the **RGB/PC** terminal on the back of the TV.

The following signals can be displayed:

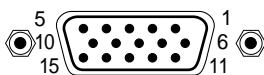
For acceptable PC signal formats, see page 34.

Notes:

- Some PC models cannot be connected to this TV.
- There is no need to use an adapter for computers with DOS/V compatible mini D-sub 15 pin terminal.
- A bar may appear in the upper, lower, right or left side of the screen, or parts of the picture may be obscured depending on some signals. This is not a malfunction.
- If the edges of the picture are stretched, readjust the picture position adjustments in the **PC Settings** menu.
- Depending on the specification of the PC you are playing the DVD-Video on and the DVD's title, some scenes may be skipped, or you may not be able to pause during multi-angle scenes.
- The PC signal may not be detected correctly for certain PC models.

Signal names for mini D-sub 15 pin connector

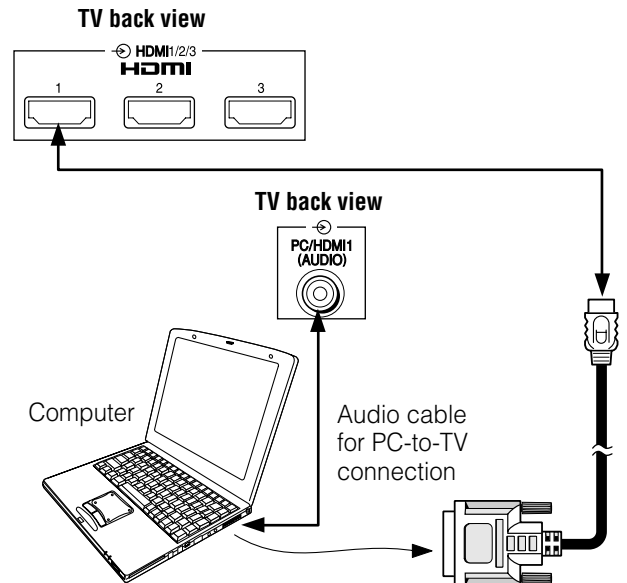
Pin assignment for RGB/PC terminal



Pin No.	Signal name	Pin No.	Signal name
1	R	9	NC
2	G	10	Ground
3	B	11	NC
4	NC (not connected)	12	NC
5	NC	13	H-sync
6	Ground	14	V-sync
7	Ground	15	NC
8	Ground		

To connect a PC to the HDMI terminal on the TV:

When connecting a PC to the HDMI terminal on the TV, use an HDMI-to DVI adapter cable and analogue audio cables. If connecting a PC with an HDMI terminal, use an HDMI cable (type A connector). Separate analogue cables are not necessary.



For acceptable PC signal format, see page 34.

Notes:

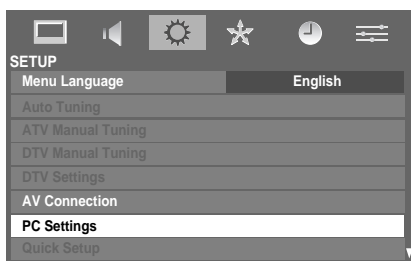
- The edges of the images may be hidden.
- The PC signal may not be detected correctly for certain PC models.

Using the PC Settings

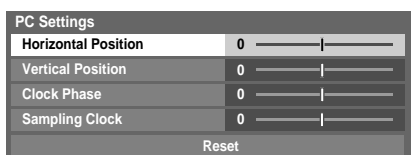
- In PC input mode, you cannot select **3D Colour Management**, **Base Colour Adjustment**, **MPEG NR** and **DNR** in the **PICTURE** menu and **Colour**, **Tint**, **Sharpness**, **Black/White Level** and **Cinema Mode** in the **Picture Settings** menu (see page 19).
- In PC input mode, **Manual Settings** (see page 24) is not displayed.
- First, press \odot to display the video input mode list, and then press ∇ or \triangle and OK in order to select the PC input mode (see page 24).
- This function may not be available for some signals and when no signal is received.
- In certain cases, it may be difficult to optimally set the clock phase and sampling clock values depending on the input signal type.

Adjusting the picture size/position

- 1 Press MENU , and then press \triangleleft or \triangleright to display the **SETUP** menu.
- 2 Press ∇ or \triangle to select **PC Settings**.



- 3 Press OK to display the **PC Settings** menu.



- 4 Press ∇ or \triangle to select an option you want to adjust. Press \triangleleft or \triangleright to adjust the settings as required.



Adjusting the clock phase of the picture

If the clock phase, which synchronizes the PC signal and LCD display, is not optimized, the picture will blur.

This function enables you to adjust clock phase and display a clear picture.

- 1 From the **PC Settings** menu, press ∇ or \triangle to select **Clock Phase**.
- 2 Press \triangleleft or \triangleright to obtain a clear picture.



Adjusting the sampling clock

If the sampling clock does not match with the dot clock frequency of the PC, blurred picture detail will occur, screen width will change, or drift patterns in vertical lines may be apparent.

This function enables you to adjust and optimize the picture.

- 1 From the **PC Settings** menu, press ∇ or \triangle to select **Sampling Clock**.
- 2 Press \triangleleft or \triangleright to optimize the picture.



Resetting the PC Settings

The Reset function adjusts the PC Settings to the factory settings.

- 1 From the **PC Settings** menu, press ∇ or \triangle to select **Reset**.
- 2 Press OK .

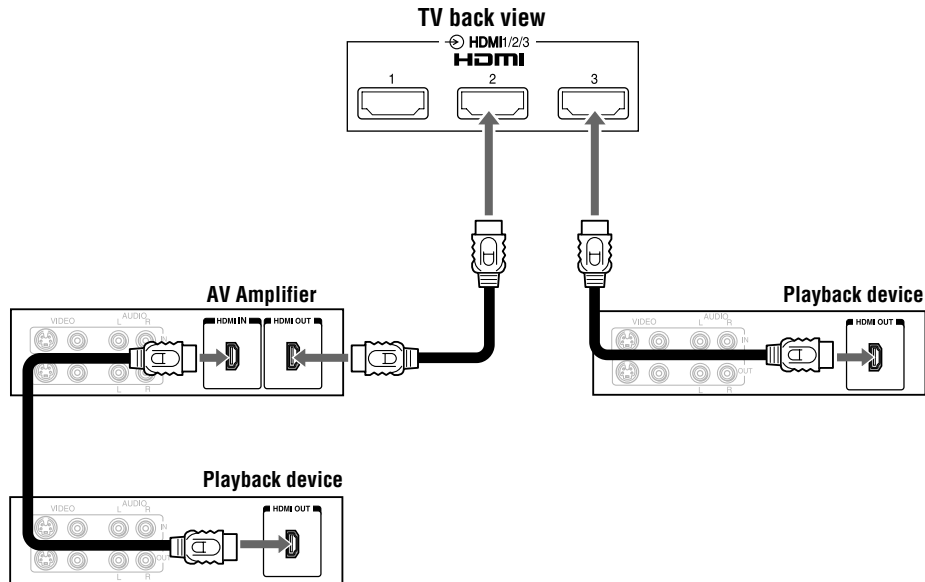
Note:

When a PC is connected using HDMI, none of these functions will be available.

REGZA-LINK connection

You can control the basic functions of connected audio/video devices using the TV's remote control if you connect a REGZA-LINK compatible audio receiver or playback device. For an explanation of setup and operations, see pages 26 – 27.

Connection example



Before controlling the device(s):

- After completing the above connections, set the **REGZA-LINK Setup** menu as you desire (☞ page 25).
- The connected devices must also be set. For details, see the owner's manual for each device.

Notes:

- If several devices are connected, the REGZA-Link feature may not operate properly.
- The REGZA-LINK function uses CEC technology as regulated by the HDMI standard.
- For proper operation, it is recommended that you use HDMI cables with the HDMI Logo (**HDMI**).
- This function is limited to models incorporating Toshiba's REGZA-LINK. However, Toshiba is not liable for those operations. Refer to the individual owner's manuals for compatibility information.
- This function is able to operate one PC and one AV Amplifier, but the PC may not operate properly with the AV Amplifier. Some PC models may not be controlled properly by the TV.

Troubleshooting

Before calling a service technician, please check the following table for a possible cause of the symptom and some solutions.

Symptom and solution

TV will not turn on

- Make sure the power cord is plugged in, and then press $\odot/1$ or \odot .
- The remote control batteries may be dead. Replace the batteries.

No picture, no sound

- Check the aerial connections.

No sound, picture OK

- The sound may be muted. Press $\triangle+$, $\triangle-$ or MUTE .
- The station may have broadcast difficulties. Try another channel.

Poor sound, picture OK

- The station may have broadcast difficulties. Try another channel.

Poor picture, sound OK

- Check the aerial connections.
- The station may have broadcast difficulties. Try another channel.
- Adjust the **PICTURE** menu.

Poor reception of broadcast channels

- Check the aerial connections.
- The station may have broadcast difficulties. Try another channel.
- Make sure the Colour system is properly set.

Teletext problems

- Check the aerial connections.
Good performance of text depends on a good strong broadcast signal.

Multiple images

- The station may have broadcast difficulties. Try another channel.
- Aerial reception may be poor. Use a high directional outdoor aerial.
- Check if the direction of the aerial has changed.

Poor colour or no colour

- The station may have broadcast difficulties. Try another channel.
- Adjust the **Tint** and/or **Colour** in the **PICTURE** menu.

The remote control does not operate

- Remove all obstructions between the remote control and the remote control sensor on the TV.
- The remote control batteries may be dead. Replace them with new ones.
- Check that the TV/REGZA-LINK/DVD switch on the remote control is properly set.

Some pixels of the screen do not light up

- The LCD display panel is manufactured using an extremely high level of precision technology; however, sometimes some pixels of the screen may be missing picture elements or have luminous spots. This is not a sign of malfunction.

The picture brightness varies when you switch the TV on.

- If you switch the TV on at 0°C and under, wait until it warms up.

The screen's brightness decreases, flicker occurs, or some parts of the screen do not light up.

- When first start to use this TV, flickering may occur on the screen. In this case, switch off the TV, and then switch on it again to resolve this issue.
- The cold cathode fluorescent lamp used for the back light on this TV has a certain lifespan. When the brightness of the screen decreases, flickers on the screen occur, or some parts of the screen do not light up, it may have reached the end of its life. Contact a service technician.

No REGZA-LINK operation

- The REGZA-LINK feature is available for Toshiba REGZA-LINK compatible devices.
- Make sure HDMI cables with the HDMI logo are used.
- When connected REGZA-LINK device does not work correctly after you have changed device settings, turn off your TV and unplug the power cord. Then plug in and turn on again.
- If several devices are connected, the REGZA-LINK feature may not operate properly.
- Read the owner's manual furnished with the connected REGZA-LINK device.

Symptom and solution - digital only -

Poor picture

- Check the aerial connections. Make sure it is aligned to the correct broadcast direction.
- Check the signal level and quality in the **DTV Manual Tuning** menu.
- If you use any kind of amplifier to boost the signal level, check whether it is working correctly, and ask for help from the aerial installer.

No picture

- Use the **DTV Manual Tuning** menu to rescan this channel.
- Try another channel.
- Reduce **RF** amplifier gain if connected to **RF** booster.

No sound from DIGITAL AUDIO

- The sound may be muted. Press $\triangle+$, $\triangle-$ or MUTE .
- Use the **DTV Manual Tuning** menu to rescan this channel.
- Try another channel.

Not all channels are available after Auto Tuning when tuning the TV for the first time.

- This symptom is caused by unexpected frequency offset.
- Use the **DTV Manual Tuning** menu to scan for the missing channels. Once the TV picks up the signal, all the transmission parameters will be stored in internal memory.

Cannot lock signal when using Manual Tuning

- Refer to the solutions for "Poor picture".

No Teletext, no Subtitles

- Make sure the channel that you are watching carries Teletext/Subtitles information by checking the on-screen information.

Cannot receive channels after moving the TV between cities (e.g. from Melbourne to Sydney)

- Refer to page 12 to reset data.

Programme Timer does not operate properly.

- Check the aerial connections.
- Weak signal may cause inaccurate time information.

Do not remember PIN

- Please contact your local dealer.

APPENDIX

AUSTRALIAN PARENTAL GUIDANCE CODES (Normative)

Recommended On-Screen-Display for parental guidance codes transmitted within DVB-SI EIT information using the DVB parental_rating_descriptor.

			Receiver Menu Set-up and Suggested OSD wording for Setting Blocking (Restriction of access)							
			Block All	Block G and above (optional)	Block PG and above	Block M and above	Block MA and above	Block AV and above	Block R and above	No Block
Transmitted rating hex code	Australian parental guide code	On-Screen-Display	Resultant receiver action to received hex code ✓ is show programme - ✗ is block until PIN entered							
0 × 00	Not Classified	–	✗	✓	✓	✓	✓	✓	✓	✓
0 × 01		–	✗	✓	✓	✓	✓	✓	✓	✓
0 × 02	P Pre school	P	✗	✓	✓	✓	✓	✓	✓	✓
0 × 03		P	✗	✓	✓	✓	✓	✓	✓	✓
0 × 04	C Children's	C	✗	✓	✓	✓	✓	✓	✓	✓
0 × 05		C	✗	✓	✓	✓	✓	✓	✓	✓
0 × 06	G General	G	✗	✗	✓	✓	✓	✓	✓	✓
0 × 07		G	✗	✗	✓	✓	✓	✓	✓	✓
0 × 08	PG Parental Guidance Recommended	PG	✗	✗	✗	✓	✓	✓	✓	✓
0 × 09		PG	✗	✗	✗	✓	✓	✓	✓	✓
0 × 0A	M Mature Audience 15+	M	✗	✗	✗	✗	✓	✓	✓	✓
0 × 0B		M	✗	✗	✗	✗	✓	✓	✓	✓
0 × 0C	MA Mature Adult Audience 15+	MA	✗	✗	✗	✗	✗	✓	✓	✓
0 × 0D		MA	✗	✗	✗	✗	✗	✓	✓	✓
0 × 0E	AV Adult Audience, Strong violence 15+	AV	✗	✗	✗	✗	✗	✗	✓	✓
0 × 0F	R Restricted 18+	R	✗	✗	✗	✗	✗	✗	✗	✓

Broadcast system

Broadcast transmission systems of each country or region

Asia M.E.

Country or region	Colour	Sound
Bahrain, Kuwait, Israel, Oman, Qatar, United Arab Emirates, Yemen, etc. Indonesia, Malaysia, Singapore, Thailand, etc.	PAL	B/G
China	PAL	D/K
China Hong Kong	PAL	I
Iraq, Islamic Republic of Iran, Lebanon, Saudi Arabia, etc.	SECAM	B/G
Russian Federation, etc.	SECAM	D/K
Myanmar, etc.	NTSC	M

Oceania

Country or region	Colour	Sound
Australia, New Zealand, etc.	PAL	B/G

Africa

Country or region	Colour	Sound
Republic of South Africa, etc.	PAL	I

South America

Country or region	Colour	Sound
Argentina, Paraguay, Uruguay, etc.	PAL	N
Brazil	PAL	M
Chile, Colombia, etc.	NTSC	M

Note:

PAL, SECAM and NTSC 3.58 (MHz) are different colour signal broadcast transmission systems applicable to different countries or region. NTSC 4.43 (MHz) is used in special VCRs to playback NTSC recorded video tapes through PAL television equipment.

Specifications

Integrated Digital LCD TV

Model

42XV550A,560A, 46XV550A,560A

Power source

220 V-240 V AC, 50 Hz

Power consumption

42XV550A,560A: 221 W, 0.9 W (standby)
46XV550A,560A: 286 W, 0.9 W (standby)

Dimensions

42XV550A,560A: 1,009 mm (W) 689 mm (H) 264 mm (D)
46XV550A,560A: 1,108 mm (W) 746 mm (H) 308 mm (D)

Mass (Weight)

42XV550A,560A: **.* kg
46XV550A,560A: **.* kg

Analogue TV system (Aerial input)

Channel coverage:

PAL	B/G	(CCIR)	VHF	2 - 12
			UHF	21 - 69
			CATV	X - Z+2, S1 - S41
PAL	I	(UK)	VHF	-
			UHF	21 - 69
			CATV	-
PAL	D/K	(CHINA)	VHF	1 - 12
			UHF	13 - 57
			CATV	Z1 - Z38
SECAM	B/G	(CCIR)	VHF	2 - 12
			UHF	21 - 69
			CATV	X - Z+2, S1 - S41
SECAM	D/K	(OIRT)	VHF	1 - 12
			UHF	21 - 69
			CATV	X1 - X19

Special RF signal:

NTSC 4.43 colour system 5.5/6.0/6.5 MHz sound system
PAL 60 Hz colour system 5.5/6.0/6.5 MHz sound system

Digital TV System

Compliant Standard	DVB-T
Video Decoding	MP @ ML & MP @ HL
Audio Decoding	Dolby® Digital, MPEG (I & II)
Audio Sampling Rate	32, 44.1, 48 kHz

Digital TV Terrestrial Tuner / Demodulator

Frequency	51~858 MHz
Loop Through	51~858 MHz
Bandwidth	6, 7, 8 MHz
Demodulator	COFDM
FFT Mode	2K, 8K
Constellation	QPSK, 16QAM, 64 QAM
Guard Interval	1/4, 1/8, 1/16, 1/32
Inner Coding Rate	1/2, 2/3, 3/4, 5/6, 7/8

COMPONENT VIDEO INPUT terminals (the signal format)

480i, 480p, 576i, 576p, 720p (50/60 Hz), 1080i (50/60 Hz)
(These signal formats are converted to match the number of pixels of the LCD panel.)

Colour system (analogue TV system)

PAL, SECAM, NTSC 3.58/4.43

Aspect ratio

16 : 9

Visible size (diagonal)

42XV550A,560A: * cm
46XV550A,560A: * cm

Number of pixels

1,920 (H) dots × 1,080 (V) dots

Audio power

10 W + 10 W (10 % THD)

Speakers

Main: 35 × 160 mm 2 pcs.

Input/Output terminals

⊖ (1)	Input Phono jacks	A/V
⊖ (2)	Input 4 pin Phono jacks	S-video A/V
⊖ (3)	Input Component video Phono jacks	Y, P _B /C _B , P _R /C _R Audio L/Mono+R
⊖ (4)	Input Component video Phono jacks	Y, P _B /C _B , P _R /C _R Audio L/Mono+R
⊕ MONITOR	Output Phono jacks	A/V
⊖ RGB/PC	Input Mini D-sub 15 pin	Analogue RGB
⊖ PC/HDMI1 (AUDIO)	Input 3.5 mm (Diameter) stereo	
⊖ HDMI1	Input (type A) 19 pin	A/V Digital
⊖ HDMI2	Input (type A) 19 pin	A/V Digital
⊖ HDMI3	Input (type A) 19 pin	A/V Digital
⊖ HDMI4	Input (type A) 19 pin	A/V Digital (v.1.3a with Lip Sync, Deep Colour and x.v.Colour)
⊕ Digital Audio (optical)	Output Bitstream/PCM	
Headphone jack	3.5 mm (Diameter) stereo	

Operating condition

Temperature 0 °C - 35 °C

Humidity 20 % - 80 % (No moisture condensation)

Supplied accessories

Owner's manual (1), Remote control (1), Batteries (2),
Clip (1), Cleaning cloth (1)



This is used to fix the TV to a wall, pillar, etc. (see page 4).

- Design and specifications are subject to change without notice.
- Never service or remodel the TV by yourself. It may expose you to a fire hazard or dangerous voltages.

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Linux Kernel busybox	Exhibit A
glibc gcc	Exhibit B
malloc	Exhibit C
JPEG	Exhibit D
FreeType	Exhibit E
ICU	Exhibit F

Exhibit A

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<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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* VERSION 2.7.2 Sat Aug 17 09:07:30 2002 Doug Lea (dl at gee)

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