

TOSHIBA
Leading Innovation >>>

OWNER'S MANUAL

LCD Colour TV

HDMI[™]
HIGH-DEFINITION MULTIMEDIA INTERFACE

19HV10 Series

24HV10 Series

32HV10 Series

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: _____

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(TD/J)

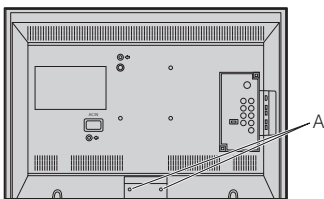
VX1A00213500

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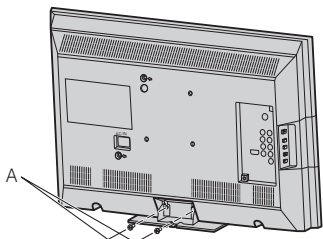
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Pedestal stand Assembling

- 1 Remove two screws (A) on the TV.
(Use two screws to attach the pedestal stand.)



- 2 After the TV is installed on the pedestal stand, use two screws (A) to attach the pedestal stand.



Welcome to Toshiba

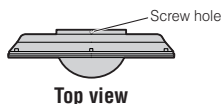
- Thank you for purchasing this Toshiba LCD Colour TV. This manual will help you use the exciting features of your new TV.
- Instructions in this manual are based on using the remote control.
- You also can use the controls on the TV if they have the same name as those referred to on the remote control.
- 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) **WARNING: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions. Install the TV in a horizontal, stable location. Attach the TV to the stand with the mounting screw (only supplied on 32HV10 models).**
 - 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.



- 2) **Never place the TV in an unstabilized location such as on a shaky table, incline or location subject to vibration.**
 - Only use cabinets or stands recommended by the TV manufacturer.
 - Only use furniture that can safely support the TV.
 - Ensure that the TV is not hanging over the edge of the supporting furniture.
 - Never place the TV on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the TV to a suitable support.
 - Never stand the TV on cloth or other material placed between the TV and supporting furniture.

The TV may drop or fall off, which may cause an injury or damage.

3) Never stand or climb on the TV.

- Educate children about the dangers of climbing on furniture to reach the TV or its controls.

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.

4) Always connect the power plug to an appropriate electrical outlet equipped with 110-240 V, AC 50/60 Hz.

Never use the TV outside the specified voltage range. It may cause a fire or an electric shock.

About the fuse (only for E models)

In a three pin earthing-type, the fuse fitted in this plug is approved by ASTA or BSI to BS1362. It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted.

About the use

- Make sure to insert the plugs firmly, when plugging the AC power cord into the TV set end and wall outlet end.
- Make sure to hold the plug, when unplugging the AC power cord.
- Never use other cord except for supplied AC power cord, and never use the supplied power cord for any other purpose.

5) Never insert or remove the power plug with wet hands.

This may cause an electric shock.

6) 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.

7) 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.

8) 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.

9) 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.

10) 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 and mounting screw. A fire or an 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.

11) 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 an injury or an 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) 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 ⏻ 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.

5) 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.

6) 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.

7) 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 a dry cloth.

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

Important information

1) About 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) About cabinet and LCD screen

Never spray volatile compounds such as insecticide on the cabinet and LCD screen. This may cause a discolouration 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 sign of malfunction.

4) About 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) About using under the low temperature places

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) About afterimage

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 of 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.

Trademark Information

- HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Connecting an aerial

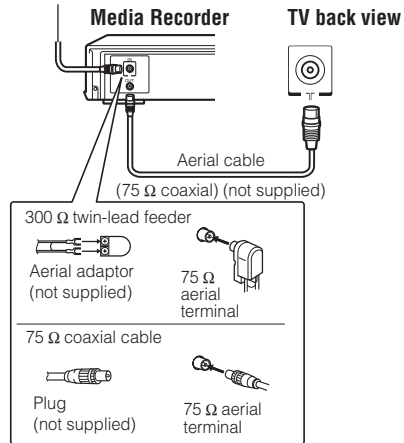
Optimum reception of colour requires a good signal and will generally mean that an outdoor aerial must be used.

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.

VHF and/or UHF aerial



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.



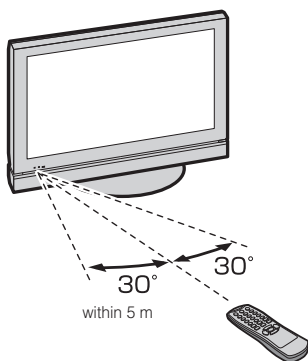
Cautions:

- 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.

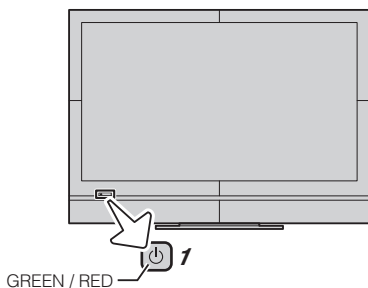
Effective range



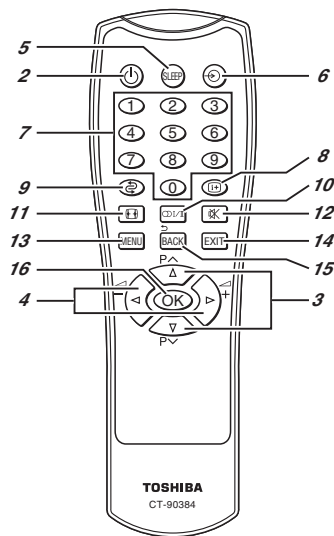
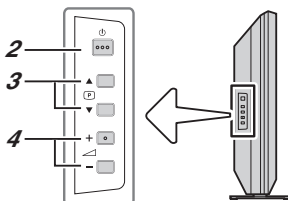
TV panel and remote controls

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

TV front view

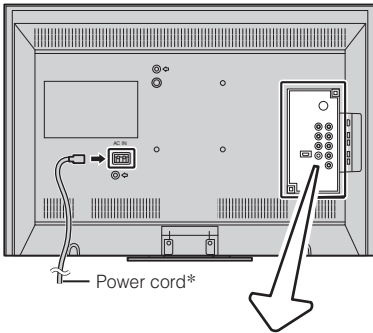


Left side view

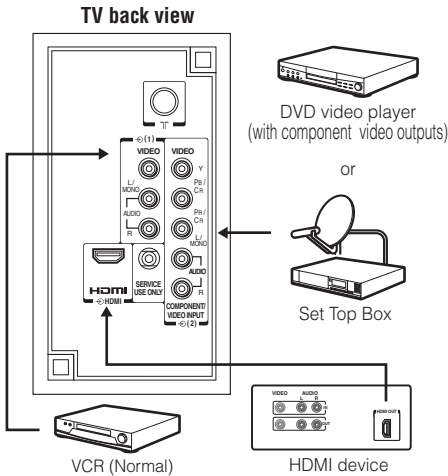


- 1 Power LED** — Power indicator.
- 2 Power on/standby** — Press to turn the TV on/standby.
- 3 Programme position** — When no menu is on screen, these buttons select the programme position.
MENU up/down — When a menu is on-screen, these buttons function as up/down menu navigation buttons.
- 4 Volume** — When no menu is on-screen, these buttons adjust the volume level.
MENU left/right — When a menu is on-screen, these buttons function as left/right menu navigation buttons or adjust settings.
- To set the sleep time
- Input source selection
- Number buttons (0-9)
- To display on-screen information
- To return to the previous programme
- Stereo/Bilingual selection
- Picture Size
- This button turns the sound off/on
- On-screen Menus
- To exit menu
- To return to the previous menu
- To confirm your selection

TV back panel connections



Connection example



Power cord *

- * Make sure to insert the plugs firmly, when plugging the AC power cord into the TV set end and wall outlet end.
- * Make sure to hold the plug, when unplugging the AC power cord.
- * Never use other cord except for supplied AC power cord, and never use the supplied power cord for any other purpose.
- * The exact power cord will vary according to the country.

About connecting an HDMI device

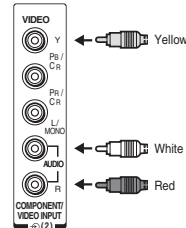
- Use for one HDMI cable (type A connector)
- For proper operation, it is recommended that you use a short HDMI cable.
- HDMI cable transfers both video and audio.

- **HDMI (input terminal)** — High-Definition Multimedia Interface input receives digital audio and uncompressed digital video from an HDMI device. Use for 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.
- **(aerial input terminal)** — Analogue aerial signal input.
- **(2) COMPONENT / VIDEO INPUT (input terminals)** — High-definition component video and standard (analogue) stereo audio inputs, or standard (composite) video and standard stereo audio inputs.
- **(1) VIDEO (input terminal)** — Standard video and standard stereo audio input.

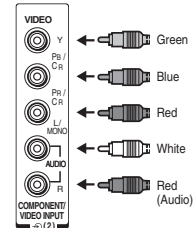
Notes:

- Before connecting any external equipment, turn off all main power switches.
- The unauthorized recording of TV 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**, **Pb/Cb**, **Pr/Cr**) and provides the best 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.
- **(2) COMPONENT / VIDEO INPUT terminals**

Standard video mode



Component video mode



Connecting HDMI devices

- When turning on your electronic components, turn on the TV first, and then the HDMI device.
- When turning off your electronic components, turn off the HDMI 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.
- This TV is able to connect with HDMI devices. But it is possible that some HDMI devices may not operate properly with this TV.

Connecting an HDMI device

The HDMI input on your TV receives digital audio and uncompressed digital video from an HDMI 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 and DVD player with HDMI output). The HDMI input is designed for best performance with 1080i (50/60 Hz) and 1080p (50/60 Hz) high-definition video signals, but will also accept and display 480i, 480p, 576i, 576p, and 720p (50/60 Hz) and VGA (VESA 640 × 480 @ 60 Hz) signals.

- HDMI: High-Definition Multimedia 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.
- Acceptable PC signal format:
 - S-VGA: VESA 800 × 600 @ 60 Hz
 - XGA: VESA 1024 × 768 @ 60 Hz
 - W-XGA: VESA 1280 × 768 @ 60 Hz
 - W-XGA: VESA 1360 × 768 @ 60 Hz
 - S-XGA: VESA 1280 × 1024 @ 60 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.



If you connect this unit to your PC, the compressed image is displayed in S-XGA mode, therefore the picture quality may deteriorate and characters may not be read.

- L-PCM: Linear-Pulse Code Modulation
- Supported Audio format: L-PCM sample rate 32/44,1/48 kHz

Turning the TV on

Switching on the TV


Connect the power cord to a wall outlet, the  power indicator lights in red (standby mode).

- 1 Press  on the remote control or on the TV left side panel, the  power indicator lights in 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 10, 15).*

Switching off the TV







- 1 Press  on the remote control or on the TV left side panel to switch to the standby mode.

Notes:

- 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 in external input or Blue screen Off mode.
- 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.

Learning about the menu system

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

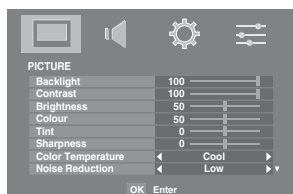
- Press **MENU** to display menu, then press  or  to select main menu headings.
- Press  or  to select an item.
- Press  or  to select or adjust setting.
- Press **OK** to display the next menu.

Displaying the menu chart

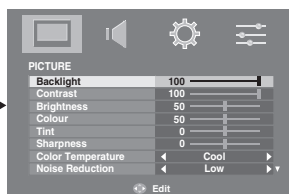
MENU Structure

Press MENU (MENU)

PICTURE



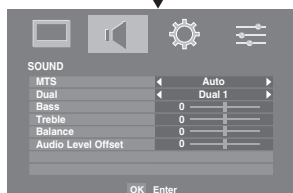
PICTURE



Backlight



SOUND



SOUND



SOUND



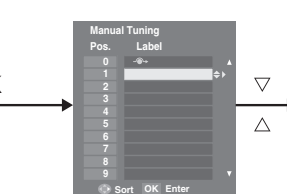
SETUP



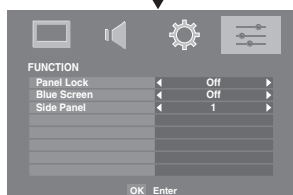
SETUP



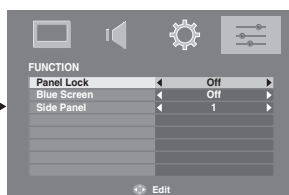
Manual Tuning



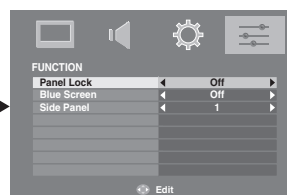
FUNCTION



FUNCTION



FUNCTION



Notes:

- In the video input mode (VIDEO, COMPONENT and HDMI), **Auto Tuning** and **Manual Tuning** are not available. Instead, **Manual Setting** appears in the **SETUP** menu.
- If you connect external equipment via component video source to external input, **Colour System** selection in the **Manual Setting** 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 **BACK**.
- **System Information** in the **SETUP** menu is for service use only.

- Most of the picture/sound controls and functions are available. However features not available will be greyed out.

SETUP menu

Selecting the menu language

Choose from 8 different languages (English, Malay, Thai, Vietnamese, Russian, Arabic, Persian or French) for the on-screen display.

- 1 From the **SETUP** menu, press ∇ or Δ to select **Language**.
- 2 Press \triangleleft or \triangleright to select the desired language.

Programming channels into the TV's channel memory

- First, use the **Auto Tuning** function to preset all the active channels in your area automatically. Then, arrange the preset channels with the **Manual Tuning** function so that you can tune into only desired channels.
- Use the **Manual Tuning** operation if desired channels cannot be preset with the **Auto Tuning** or if you would like to preset channels to specific position numbers one by one.
- If a signal with a different **Colour System** is received after you have set **Auto Tuning**, switch to the correct **Colour System** in the **Manual Tuning** menu.

Auto Tuning

- 1 From the **SETUP** menu, press ∇ or Δ to select **Auto Tuning**.
 - 2 Press **OK** to display the **Auto Tuning** menu.
-
- 3 Press **OK** to start the automatic search. The search will begin for all available stations.
 - 4 When the automatic search is completed, the TV will automatically appear the first programme position.
 - 5 Press **P \wedge** or **P \vee** to view the programmed position.

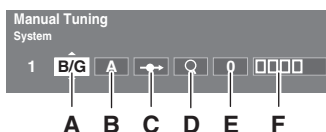
Note:

When you preset the channel which sound of broadcast transmission system adopts "M" system, the sound system may not be tuned correctly if the radio waves transmit badly. At that time, preset the channel by **Manual Tuning**.

The countries such as Myanmar, Chile, Colombia apply to this case. See page 15 for more details.

Manual Tuning

- 1 From the **SETUP** menu, press ∇ or Δ to select **Manual Tuning**.
- 2 Press **OK** to display the **Manual Tuning** menu. Press ∇ or Δ to select the programme position you want to arrange.
- 3 Press **OK** to display the breakdown menu. Press \triangleleft or \triangleright to select an item, then press ∇ or Δ to select the item as shown below.



A. System (Sound) (see page 15)

B. Colour System (see page 15)

A : AUTO (Automatic), **P** : PAL,
S : SECAM, **4** : NTSC 4.43 (MHz),
3 : NTSC 3.58 (MHz)

C. Position skip selection

Press ∇ or Δ to turn the position skip option on "☞" or off "☛".

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

The "☞" mark will appear beside a position number when you use the **Number** button on the remote control.

D. Channel search operation

Press Δ to search up the band or ∇ to search down the band.

Press ∇ or Δ repeatedly until your desired channel is displayed.

When a station is found, it will be displayed. NEVER PRESS ANY OTHER BUTTONS WHILE THE SET IS TUNING.

E. Manual Fine Tuning

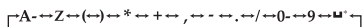
Press ∇ or Δ until better picture and sound are obtained.

F. Label

Station labels appear under the programme position display each time you turn on the TV, select a channel, or press **[+]**.

To change or create station labels:

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

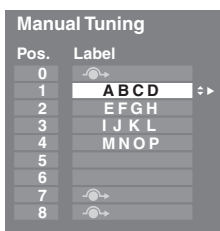
Press **OK** to store your settings.

Sorting positions

- The TV is capable of receiving a number of different channels depending upon where you live.
- Sorting programme position is an easy way of storing each channel on the programme position of your choice.

Ex.: To swap channel ABCD (Prog.1) for channel MNOP (Prog.4):

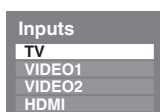
- 1 From the **SETUP** menu, press ∇ or Δ to select **Manual Tuning** menu, and then press **OK**.
- 2 Press ∇ or Δ to select the channel **ABCD**, then press \triangleright .



- 3 Press ∇ to select the new position "4", then press \triangleleft .
- 4 Press Δ to select the channel **MNOP**, then press \triangleright .
- 5 Press Δ to select the new position "1", then press \triangleleft .
- 6 Confirm new **Manual Tuning** menu.

Selecting the video input source to view

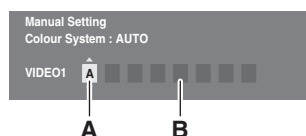
- 1 Press \odot on the remote control until the video input mode list appears on the screen, then press ∇ , Δ or \odot to select appropriate input source.



- 2 Press **OK**.
TV (analogue aerial input),
VIDEO1 (\odot (1), standard video input),
VIDEO2 (\odot (2), standard or component video input)
HDMI (HDMI input),

Setting the Manual Setting menu

- 1 From the **SETUP** menu, press \triangleleft or \triangleright to select **Manual Setting**, and then press **OK**.
- 2 Press \triangleleft or \triangleright to select an item, and then press ∇ or Δ to select the item as shown below.



A. Colour System

It may take a while for the colours to appear.

Note:

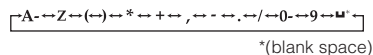
Only standard video signal input, this function is available.

B. Label

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

To change or create labels:

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



- 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.

Press **OK** to store your settings.

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 Δ to select **Reset TV**.
- 2 Press **OK** to select.
A screen will appear warning that all settings will be lost. Select **Yes** and press **OK** to continue.

