

TOSHIBA

OWNER'S MANUAL

Color Television

with NICAM digital stereo sound

SRS (●)
WOW

Digital Hyper

HD Ready

INTRODUCTION

GETTING STARTED

USING THE TV'S
FEATURES

VIEWING
TELETEXT

EQUIPMENT
CONNECTIONS

REFERENCE

32JW8UA

Dear Customer

Welcome to the high quality picture world created by TOSHIBA Color TV Receiver.

This manual will help you use the TV's many exciting useful features.

Before operating the TV, please read all the safety and operating instructions in this manual thoroughly, and keep the manual for future reference.

Customer's Record

You will find the model number and serial number on the back of the TV.

Record serial number in the spaces provided below.

Refer to them whenever you call upon your TOSHIBA dealer regarding this product.

Model Number 32JW8UA _____

Serial Number _____

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Features

Digital Hyper

The Digital Hyper feature is equipped with two scanning modes.

The Digital Hyper reduces flicker from the picture, and 720p/1080i signals improve coarse scanning lines as the conventional televisions, resulting in clear and dense pictures.

Various Video/Audio terminals for external equipment connection

- Three sets of video/audio inputs are located on the rear and on the front (input 3)
- Two S-video terminals on the rear (input 1) and on the front (input 3)
- One set of monitor output terminals
- One set of fixed audio output terminals
- Two sets of COMPONENT VIDEO INPUT terminals (signal format: 480i, 480p, 576i, 576p, 720p (50/60Hz) and 1080i (50/60Hz))
- One set of RGB/PC terminal

SRS WOW surround sound system

SRS 3D and SRS TruBass (see page 18) functions bring 3D surround and bass expansion effects to the TV's stereo sound.

Digital Noise Reduction

Toshiba's advanced Digital Noise Reduction system digitally reduces image noise for improved picture quality.

NICAM (BG/I/DK) and German (BG) stereo/bilingual broadcasts receivable**TELETEXT/FASTTEXT-FAST/LIST modes****Selectable picture and selectable sound**

Allows one-touch selection of your favorite picture quality and sound quality among three preset modes and one user-set mode.

OFF timer and ON timer

Turns off the TV automatically and will turn it back on at a preset time.

Auto-Power-Off

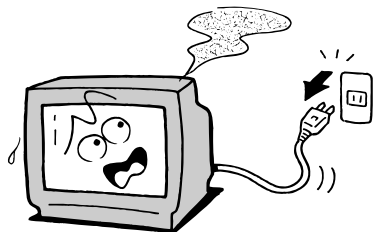
If a vacant channel is tuned or TV broadcasts for the day are finished, the TV will automatically turn off after about 15 minutes. However, if the Off-timer is operating, it takes precedence. This feature does not operate in the video (see page 22) or Blue screen Off (see page 17) mode.

No-Signal-Mute

When the TV receives a signal from the antenna input (㊦) which does not contain a video signal, the sound will be muted. This No-Signal-Mute feature does not operate in the Blue screen Off (see page 17) mode.

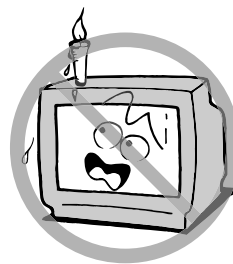
Safety Instructions and Maintenance

For safety

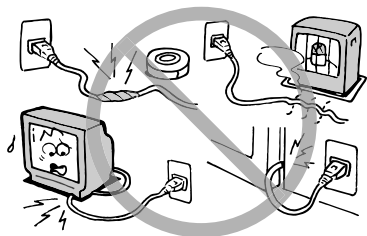


If anything abnormal occurs:

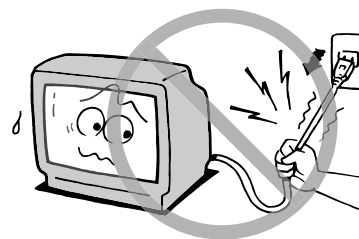
- 1 Unplug the power cord from the outlet.
- 2 Make sure that the smoke (indicating internal fire) has stopped, then contact a service personnel.



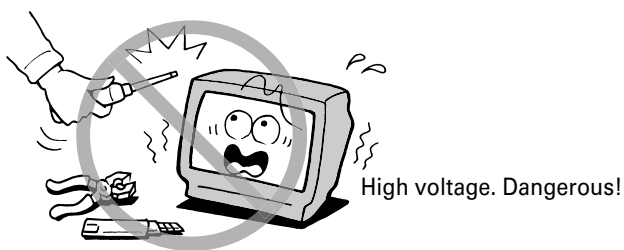
Do not place hot objects or naked flame sources, such as lighted candles or nightlights, on or close to the TV.



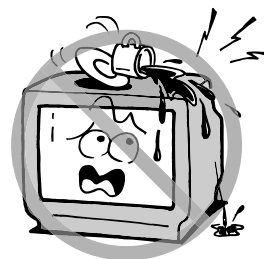
Be careful not to damage the power cord.



Do not remove the power plug by its power cord.



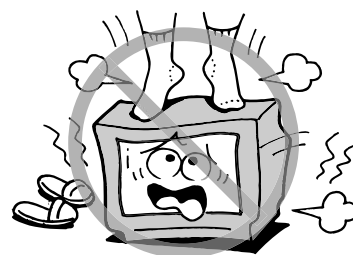
Do not remove the back cover. Let qualified technicians check and adjust your TV.
To avoid electrical shock or fire, never modify the TV.



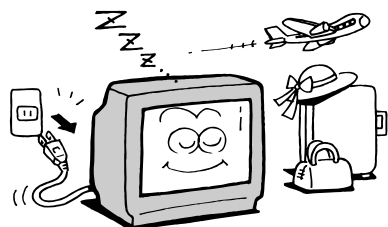
The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



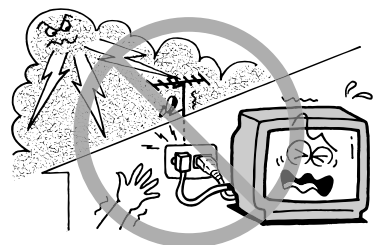
Do not let metallic materials and/or combustibles get in the TV. Be especially observant when children are present.



It is dangerous to stand or climb on the TV. Serious damage or injury may result.

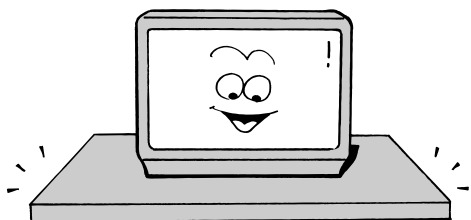


When away for a long time, unplug the cord. The TV is not completely disconnected from the power supply line, as minute current is consumed even when the ⏻ Power switch is turned off.

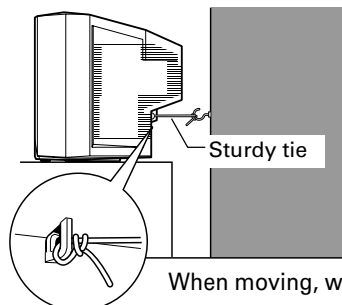


During a thunderstorm, do not touch the antenna cable or other connected cables.

Notes on installation

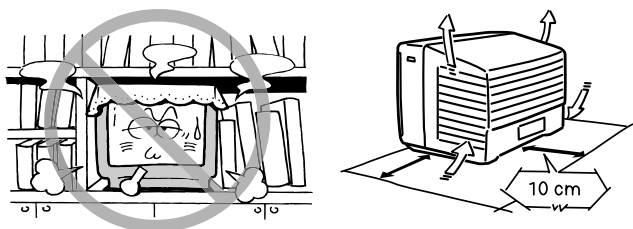


Place the TV on a horizontal, stable surface.

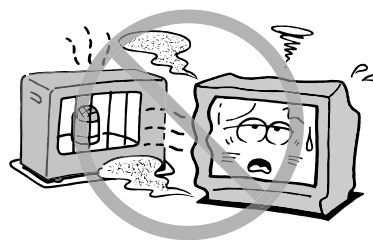


When moving, watch out for the ties.

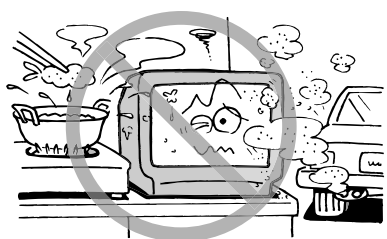
Take measures to prevent the TV from falling over.



Do not block the ventilation holes. Place the TV at least 10 cm away from walls for good air circulation.



Avoid placing the TV in direct sunshine or near a heating source.



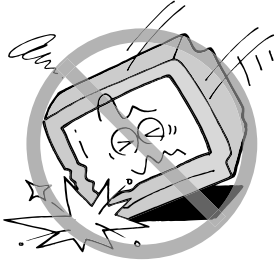
Do not expose the TV to dripping or splashing and ensure no objects filled with liquids, such as vases, are placed on the TV.

Also avoid the following locations:

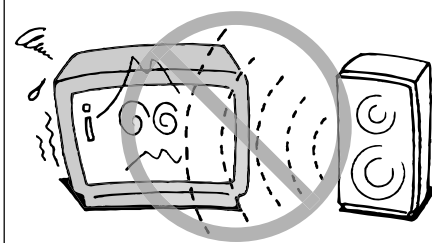
- Placing the TV on its side or back.
- Unstable places.
- Places which vibrate.
- Dusty or damp places.
- Places of high temperature (such as a closed car).

Safety Instructions and Maintenance (continued)

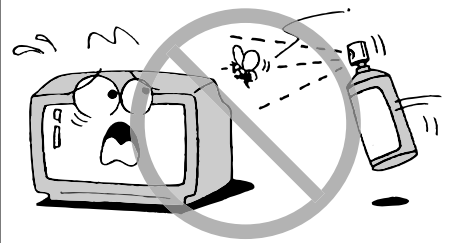
Notes on use



Do not jolt the TV.



Keep magnets, electric clocks, speakers, etc. away from the TV.

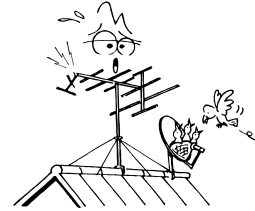


Do not spray volatile compounds such as insecticide on the cabinet.

Notes on antenna



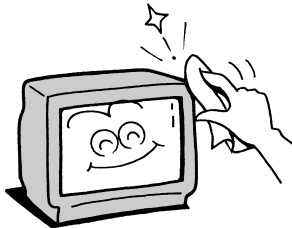
Set up the antenna away from highways, power lines and neon signs.



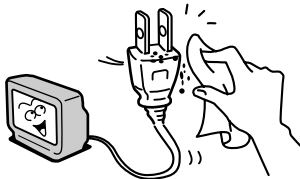
The antenna should be checked and replaced periodically.

Notes on cleaning

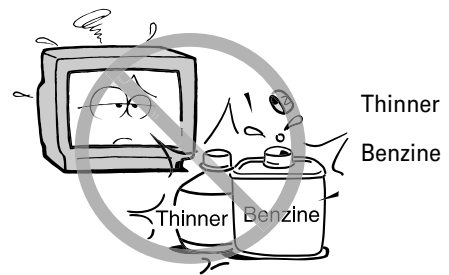
Before cleaning unplug the power cord.



Clean the cabinet with a soft and dry cloth.
If a chemically-treated cleaning cloth is used, please follow its instruction.



If dust has collected on the power plug connectors, remove the plug from the outlet and clean off the dust.



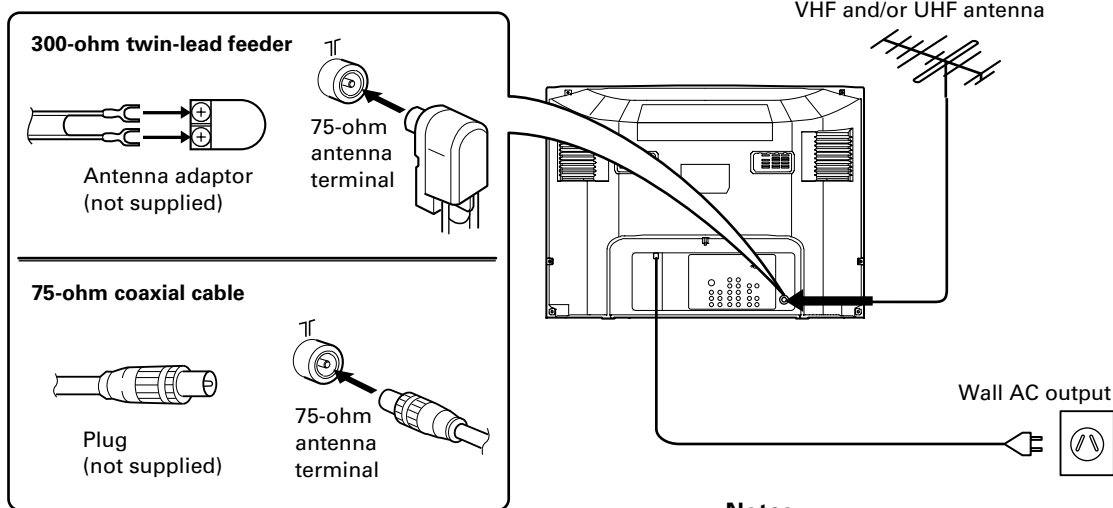
Do not use benzine, thinner, etc. to clean the TV.

Installation

- **INSTALL** the TV in a room where direct light will not fall upon the screen.
Total darkness or a reflection on the picture screen may cause eyestrain. Soft and indirect lighting is recommended for comfortable viewing.
- **ALLOW** enough space between the TV and the wall for proper ventilation.
- **AVOID** excessively warm locations to prevent possible damage to the cabinet or components.
- **RATED VOLTAGE:** $\sim 220 - 240 \text{ V}, 50 \text{ Hz}$.

To connect the antenna

Optimum reception of color requires a good signal and will generally mean that an outdoor antenna must be used. The exact type and positioning of the antenna will depend upon your particular area. Your Toshiba dealer or service personnel can best advise you on which antenna to use in your area.



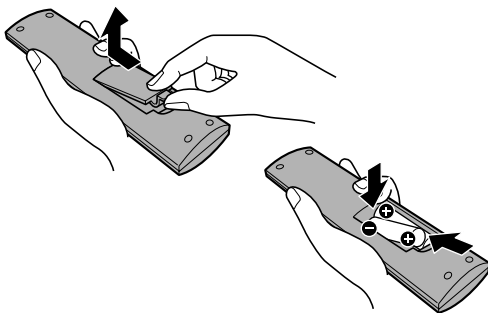
Notes

- It is recommended that the 75-ohm coaxial cable be used to eliminate interference and noise which may occur due to radio wave conditions.
- The antenna cable should not be bundled with the power cord and the like.

To prepare the remote control

Battery installation

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

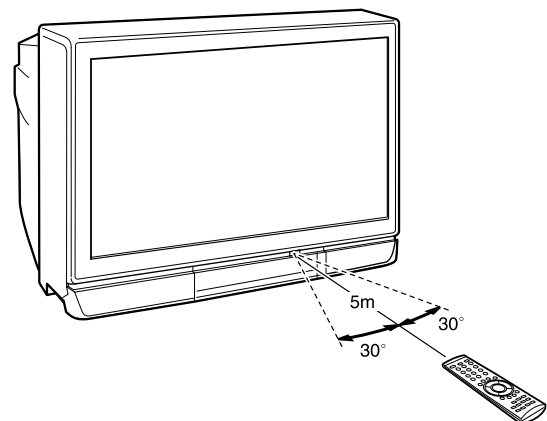


Caution:

- Dispose of batteries in a designated disposal area. Do not throw batteries into a fire.
- Do not mix battery types or combine used batteries with new ones.

Tips for best operation

Effective range



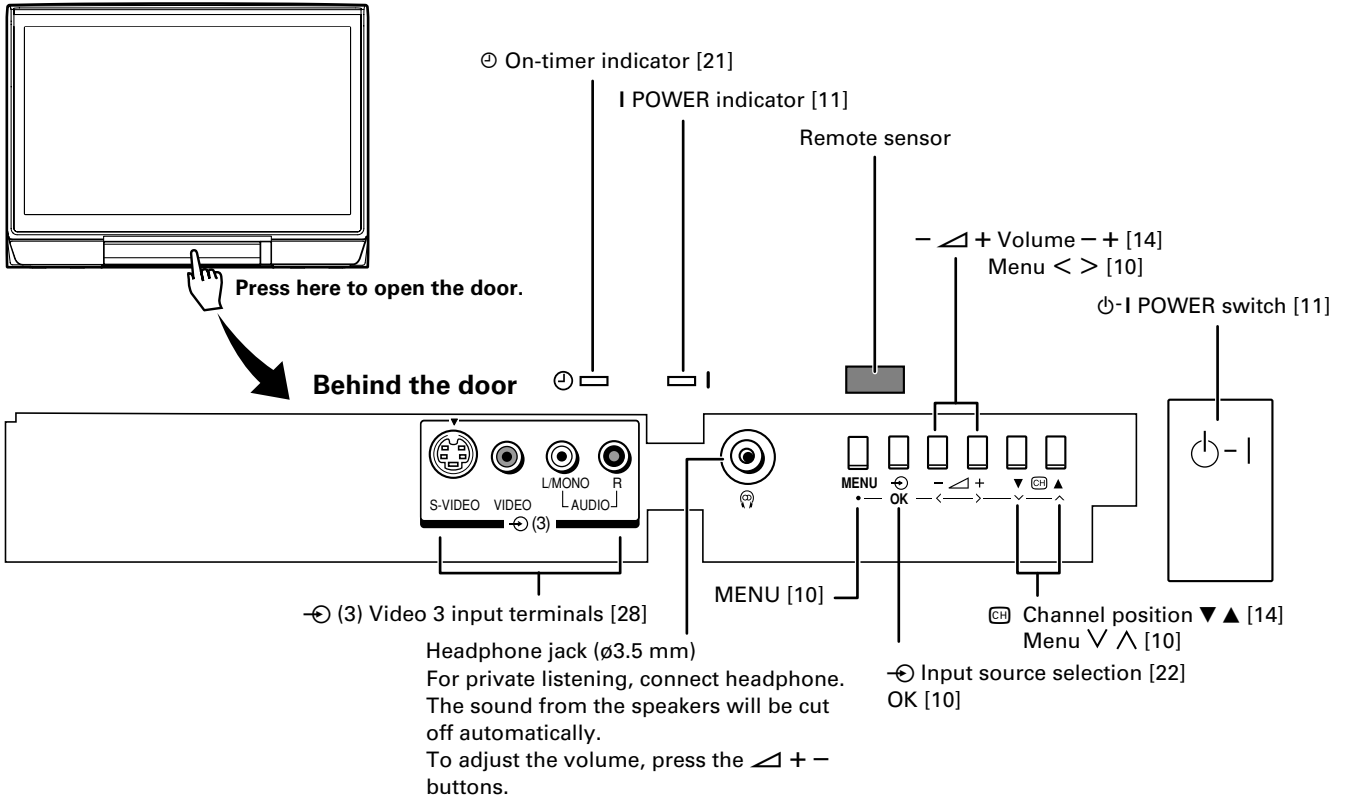
Notes:

- If the remote control does not operate correctly, or if the operating range becomes reduced, replace both batteries with new ones.
- When the remote control will not be used for a long period of time or when the batteries are worn out, remove the batteries to prevent leakage.
- Do not drop dampen, or disassemble the remote control.

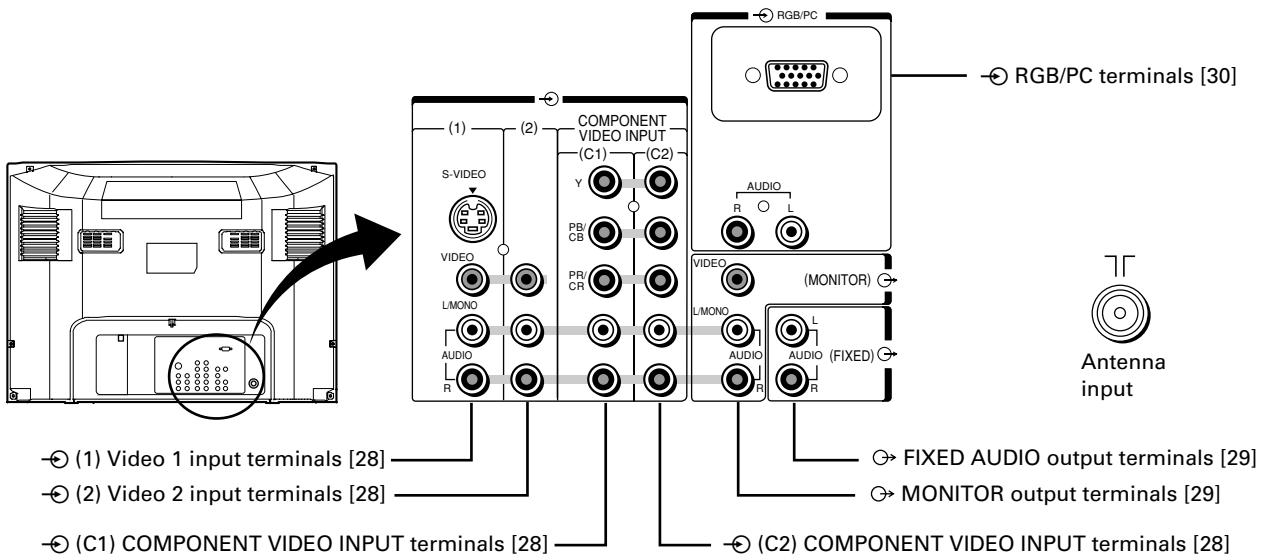
Location of Controls

- For the use of each control, refer to pages in the brackets.

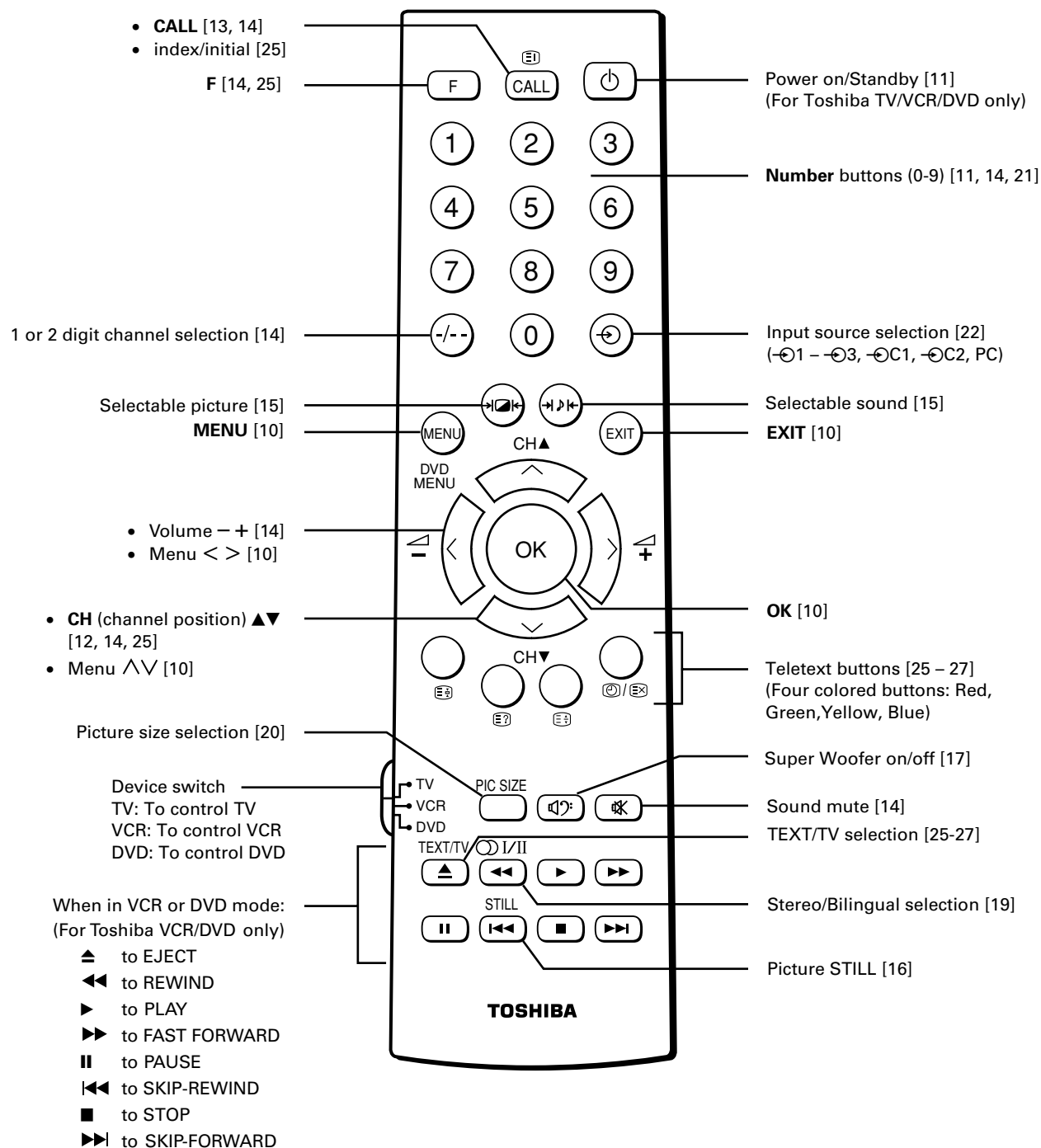
Front



Back



Remote control

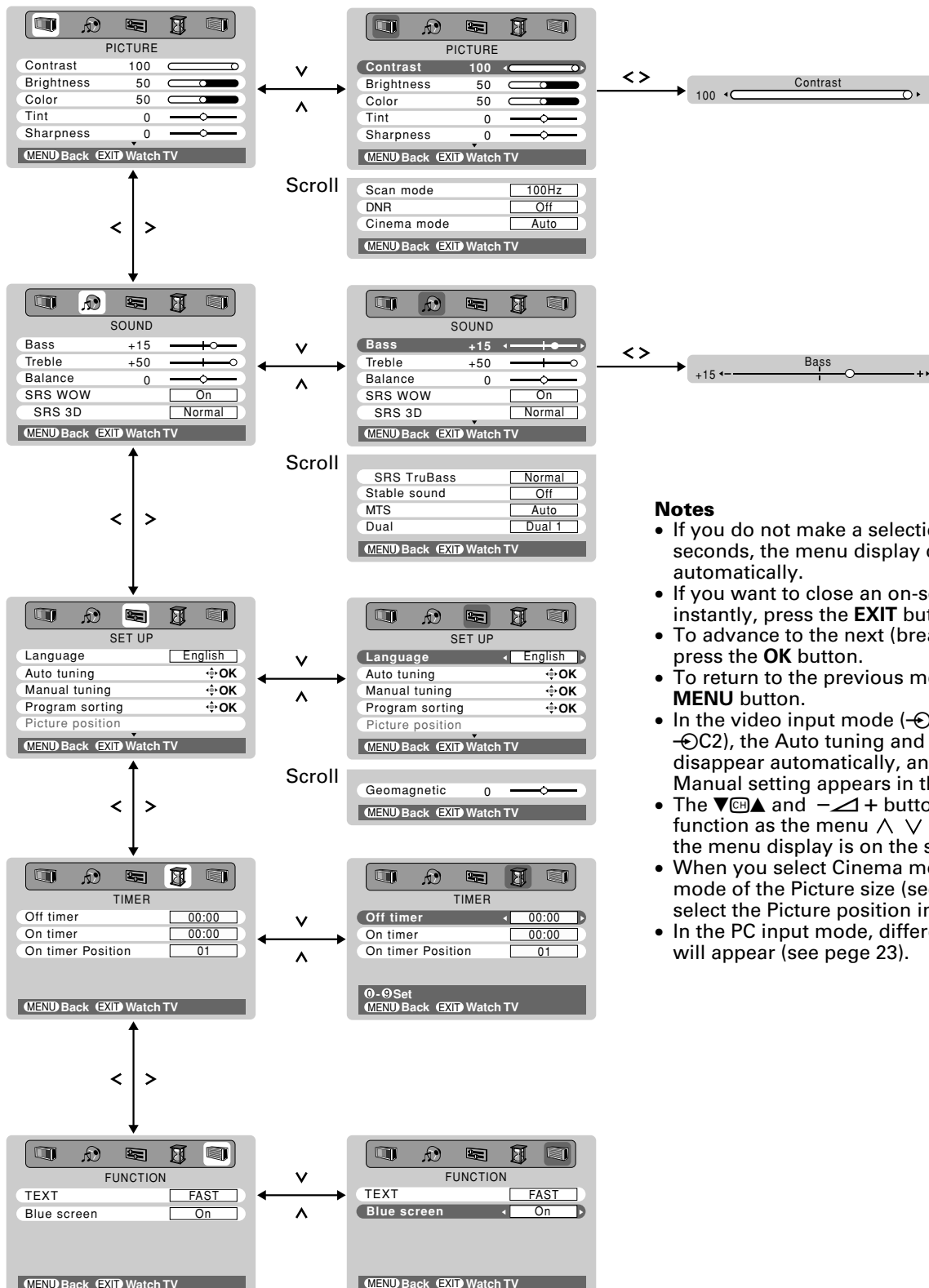


Menu Function

- Before watching the TV, please familiarize yourself the method to use the menu function of this TV set.
- Instructions in this manual are based on using the remote control.

- Press the **MENU** button to display menu, then press the < or > button to select a menu.
- Press the ∨ or ∧ button to select an item.
- Press the < or > button to select or adjust a setting.

Menu display chart

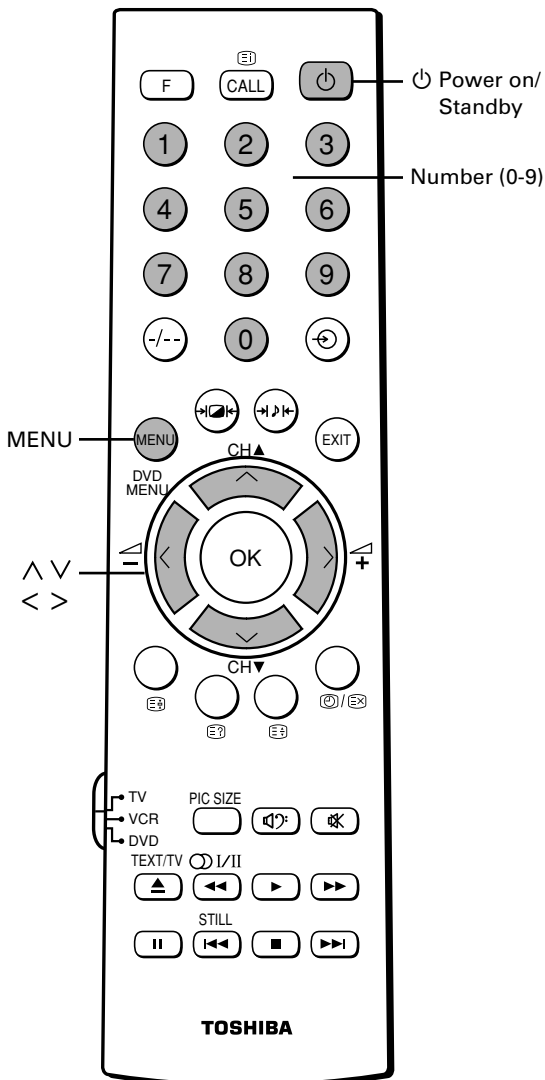
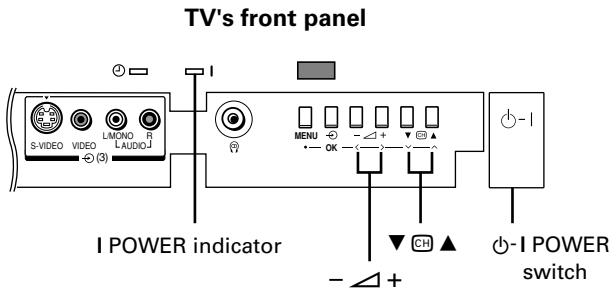


Notes

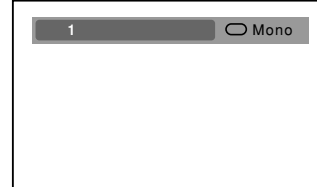
- If you do not make a selection within 60 seconds, the menu display disappears automatically.
- If you want to close an on-screen display instantly, press the **EXIT** button.
- To advance to the next (break down) menu, press the **OK** button.
- To return to the previous menu, press the **MENU** button.
- In the video input mode (⇄1 – ⇄3, ⇄C1, ⇄C2), the Auto tuning and Manual tuning disappear automatically, and instead of them, Manual setting appears in the SET UP menu.
- The ∨ [CH] ∧ and - [] + buttons on the TV function as the menu ∨ < > buttons when the menu display is on the screen.
- When you select Cinema mode or Subtitle mode of the Picture size (see page 20), you can select the Picture position in the SET UP menu.
- In the PC input mode, different SET UP menu will appear (see page 23).

Turning the TV On/ Changing the On-Screen Display Language

To turn the TV on



- 1 Press the **I POWER** switch until it clicks. The **I POWER** indicator lights up.
- 2 If no picture appears (standby mode), press the **I** button on the remote control.



Notes

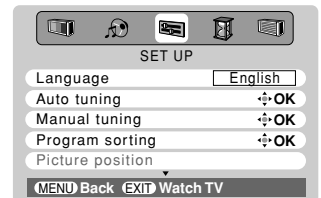
- You can also turn on the TV by pressing one of the **Number** buttons (0 – 9) instead of the **I** button. By pressing the number (one digit only) where the channel you want to watch is preset, you can turn on the TV and channel selection at the same time (For the channel programming, refer to page 12).
- When the remote control is not at your hand, you can turn on the TV by pressing the **- / +** or **CH** button on the TV.
- This TV is designed based on extremely high level digital technology, after pressing the **I POWER** switch, it takes a moment for the picture to appear.

- 3 To switch to the standby mode, press the **I** button.
- 4 To turn off completely, press the **I POWER** switch on the TV until it clicks. The **I POWER** indicator goes off.

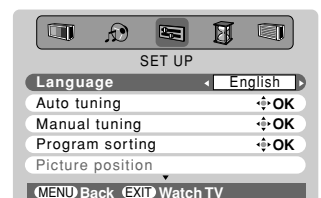
To select a language

Choose from seven different languages (English, Chinese (CS), Malay, Thai, Vietnamese, Russian and Arabic) for the on-screen displays.

- 1 Press the **MENU** button, then press the **<** or **>** button to display the SET UP menu.



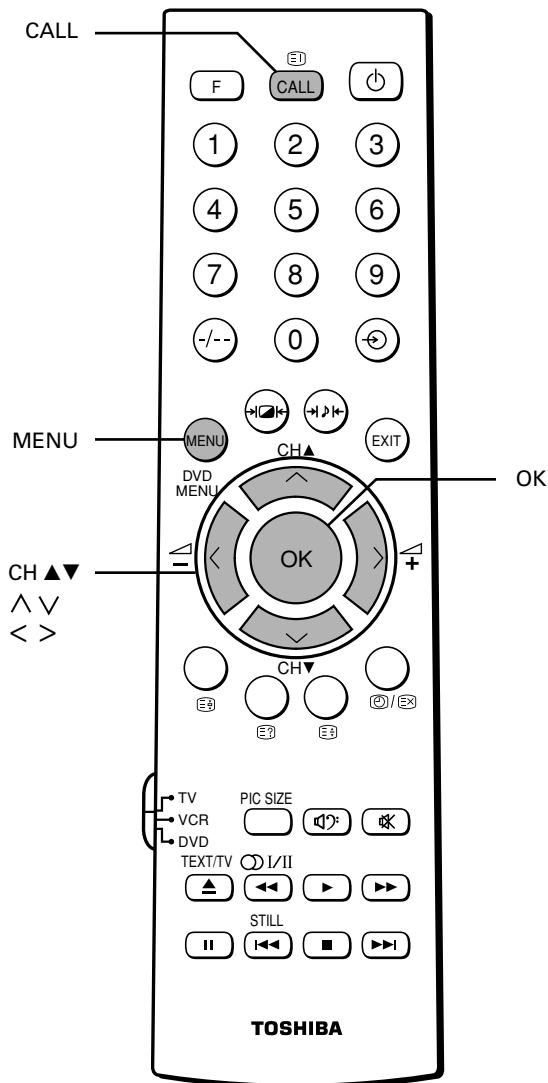
- 2 Press the **∨** or **∧** button to select Language, then press the **<** or **>** button to select the desired language.



Programming Channel Memory

- First, use the Auto tuning feature to preset all the active channels in your area automatically. Then, arrange the preset channels with the Manual tuning feature so that you can tune in only desired channels.
- Use the Channel search 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.

To preset channels (Auto tuning)/To preset channels (Manual tuning)

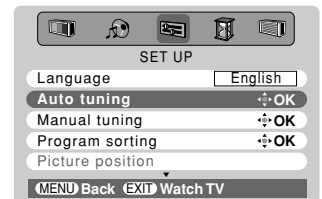


Note

When you preset the program 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, Brazil, Chile, Colombia apply to this case. See page 31 for more details.

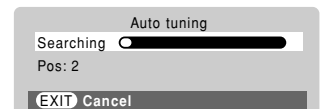
Auto tuning

- 1 Press the **MENU** button, then press the < or > button to display the SET UP menu.



Press the **∨** or **∧** button to select Auto tuning.

- 2 Press and hold the **OK** button for several seconds to start the automatic search.



The search will begin for all available stations.

Bullet will move along the line as the search progresses.

DO NOT PRESS ANY BUTTONS WHILE THE AUTOMATIC SEARCH IS IN PROGRESS.

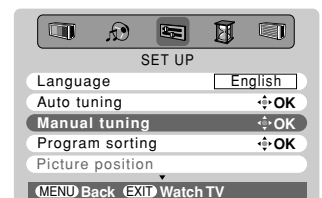
If you make a mistake, simply repeat steps 1-2 to start again from the beginning.

- 3 When the automatic search is complete, the TV will automatically return to the first program position.

- 4 Press the **CH▲** or **CH▼** button to view the programmed position.

Manual tuning

- 1 Press the **MENU** button, then press the < or > button to display the SET UP menu.



Press the **∨** or **∧** button to select Manual tuning.

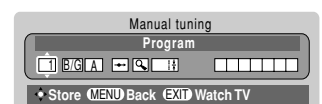
- 2 Press the **OK** button to display the Manual tuning menu.

Press the **∨** or **∧** button to select the program position you want to arrange.



- 3 Press the **OK** button to display the breakdown menu.

Press the < or > button to select an item, then press the **∨** or **∧** button to select the item as shown below.

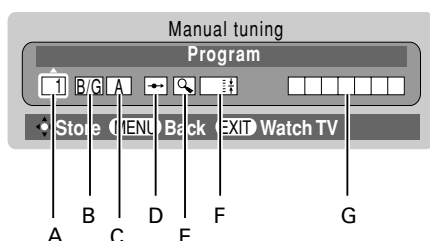


DO NOT PRESS ANY OTHER BUTTONS WHILE THE SET IS TUNING.

This TV is capable of receiving a number of different channels depending upon where you live.

Program sorting is an easy way of storing each channel on the program position of your choice.

To preset channels (Manual tuning) (continued)/Program sorting



- A. Program position selection
- B. Sound system (see page 31)
- C. Color system (see page 31)
- A : Automatic, P : PAL, S : SECAM, N4 : NTSC4.43 (MHz), N3 : NTSC3.58 (MHz)
- If the color of a certain channel is abnormal, the automatic color system selection (A) may have malfunctioned, or the sound system selection is wrong. In such a case, select another color and/or sound system (see page 31).
- D. Program position skip selection
- Press the \wedge or \vee button to turn the program position skip option on "☞" or off "☞☞". The program position will then be skipped when you select channels with the **CH▲** or **CH▼** button. The "☞" mark will appear beside a program position number when you use the number button on the remote control.
- E. Channel search operation
- Press the \wedge button to search up the band or the \vee button to search down the band. Press the \wedge or \vee button repeatedly until your desired channel is displayed. When a station/satellite is found, it will be displayed.
- F. Auto Fine Tuning
- Press the \wedge or \vee button to turn the Auto Fine Tuning option On "⚙" or Off "0". The Auto Fine Tuning feature automatically corrects slight fluctuations when receiving signals.
- Manual Fine Tuning
- While the Auto Fine Tuning turn Off "0", press the \wedge or \vee button so that the better picture and sound are obtained.
- G. Label
- Station labels appear with the program position display each time you turn on the TV, select a channel, or press the **CALL** button.
- To change or create station labels:

- 1) Press the \wedge or \vee button repeatedly to select a character for the first space, then press the $\>$ button.

\rightarrow A \leftarrow Z \leftrightarrow () \leftrightarrow * \leftrightarrow + \leftrightarrow , \leftrightarrow - \leftrightarrow . \leftrightarrow / \leftrightarrow 0 \leftrightarrow 9 \leftrightarrow \rightarrow \leftarrow

*(blank space)

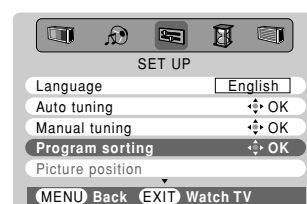
- 2) Repeat step 1) to enter the rest of the characters. If you would like a blank space in the label name, you must choose an empty space from the list of characters.

Press the **OK** button to store your settings.

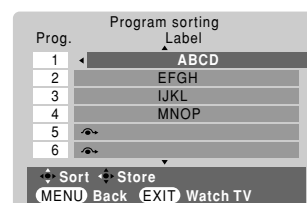
Program sorting

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

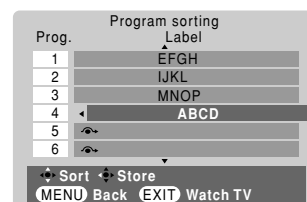
- 1 Press the **MENU** button, then press the \leftarrow or \rightarrow button repeatedly to display the SET UP menu. Press the \wedge or \vee button to highlight Program sorting.



- 2 Press the **OK** button to display the Program sorting menu.

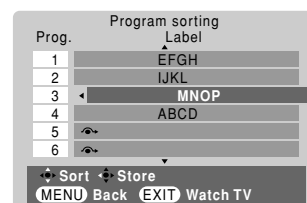


- 3 Press the \wedge or \vee button to highlight the channel ABCD to be moved.

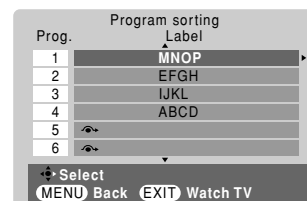


- 4 Press the $\>$ button to enter your choice.

- 5 Press the \vee button repeatedly to highlight the new position "4", then press the \leftarrow button.



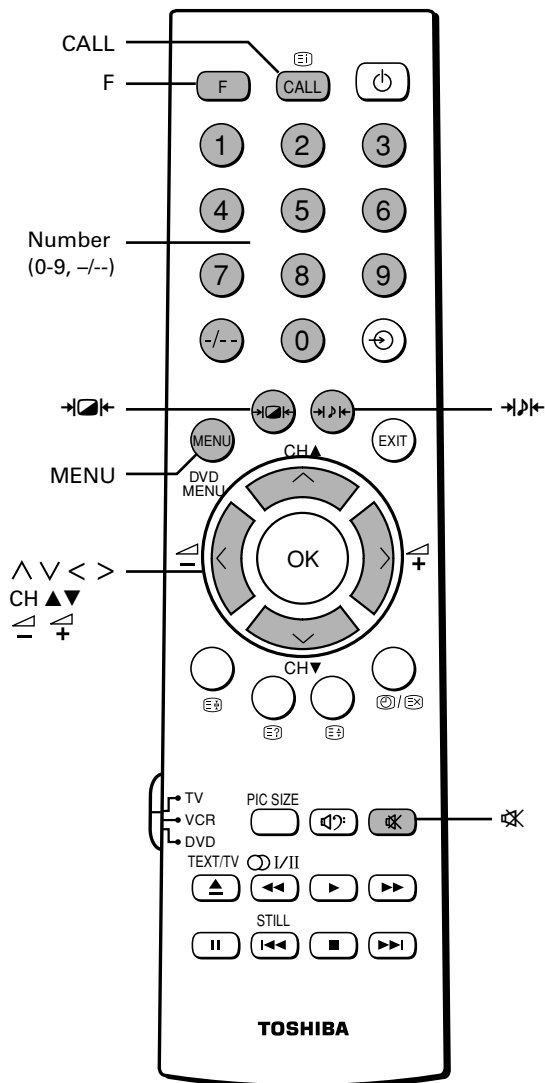
- 6 Repeat steps from 3 to 5 to move the channel MNOP to the program position "1".



- 7 Confirm new sorting list.

Watching TV Programs

To watch TV programs/🔇 (mute)/CALL /F buttons



To select TV programs

1 Select the desired program.

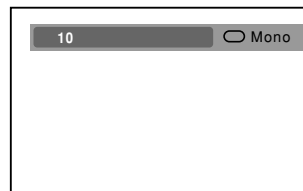
Using the Number buttons

- To select a one-digit program position:
Press the **-/--** button to display "--" and 0 – 9 to select a number (0 – 9).

- To select a two-digit channel position:
Press the **-/--** button to display "--" and press the 0 – 9 buttons to select a number (10 – 99).

Using the CH ▲▼ buttons

Press the **CH ▲** button to select higher position numbers; **CH ▼** button to select lower ones.



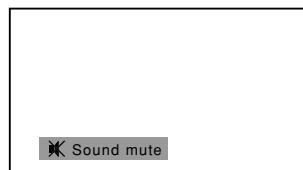
2 Adjust the sound volume with the **▲+** or **▲-** buttons.



To mute the sound

Press the **🔇** button to temporarily turn off the sound. While the sound is off, the screen will display the **🔇** mark shown below.

To restore the sound, press the **🔇** button again.



To display on-screen information

Press the **CALL** button to display the position number (or VIDEO mode selected) and **🔊** Stereo or **🔊** Dual sound status.

To erase the display, press the **CALL** button again.



To change position number rapidly

While pressing the **F** button, press the **CH ▲** or **CH ▼** button. The position number decreases or increases by 10.

To change the volume rapidly


While pressing the **F** button, press the **▲+** or **▲-** button. The volume changes rapidly.

Convenient Picture and Sound Controls

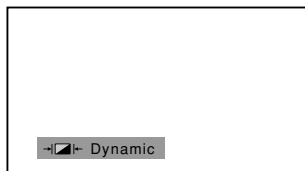
Selectable picture and Selectable sound





To select the picture mode

You can select the picture quality instantly among three preset modes and one user-set mode.

Press the  button to select the desired picture quality.

Dynamic, Standard, Mild and Memory (user-set) can be selected cyclically.



Mode	Picture quality
 Dynamic	bright and dynamic picture
 Standard	standard picture
 Mild	soft picture
 Memory	the picture quality you set

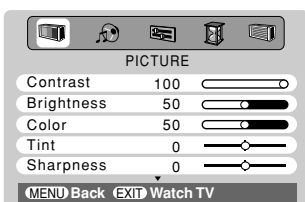
Note

While in the PC input mode (see page 22), you cannot be available this mode.

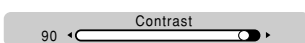
To adjust the picture quality

The adjusted level is stored in the picture Memory.

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



- 2 Press the **∨** or **∧** button to select the item you want to adjust, then press the **<** or **>** button to adjust the level.




Item	Pressing	
	<	>
Contrast	weaker	stronger
Brightness	darker	lighter
Color	paler	deeper
Tint *	purplish	greenish
Sharpness	softer	sharper

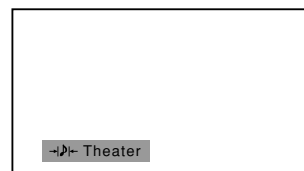
* for NTSC/480i/480p/720p (60Hz)/1080i (60Hz) system





To select the sound mode

You can select the sound quality instantly among three preset modes and one user-set mode.

Press the  button to select the desired sound quality.

Theater, Hall, Memory (user-set) and News can be selected cyclically.

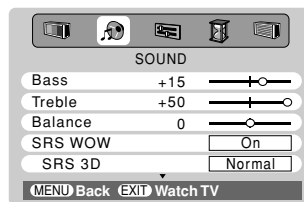


Mode	Sound quality
 Theater	a movie theater filled with a dynamic sound
 Hall	a concert hall filled with a rich warm sound
 Memory	the sound quality you set
 News	news/dialogue

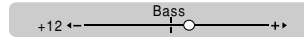
To adjust the sound quality

The adjusted level is stored in the sound Memory.

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



- 2 Press the **∨** or **∧** button to select the item you want to adjust, then press the **<** or **>** button to adjust the level.

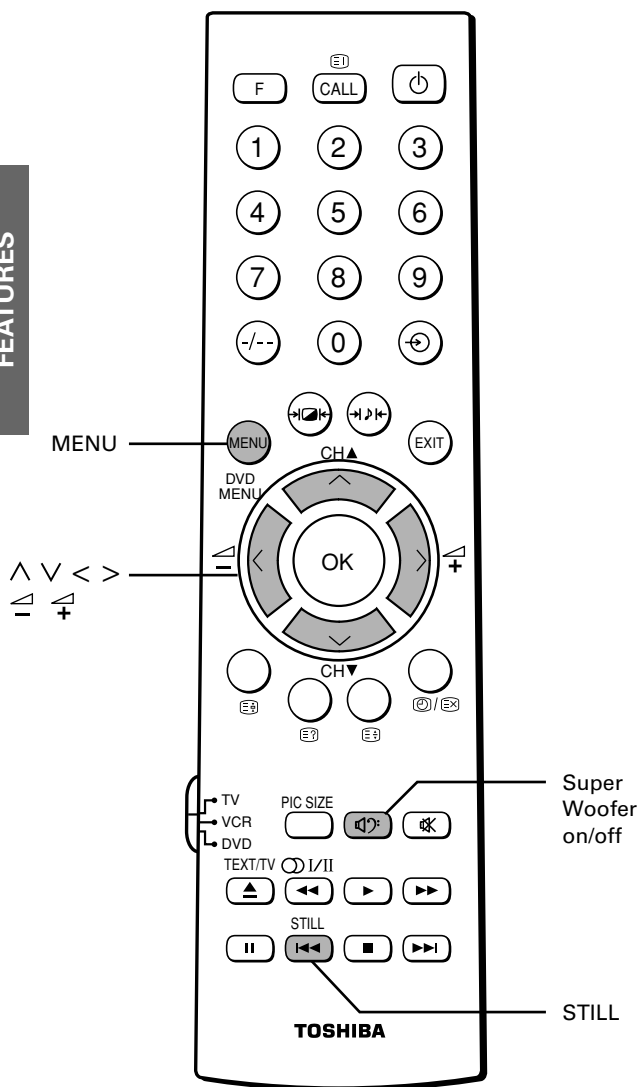


Item	Pressing	
	<	>
Bass	weaker	stronger
Treble	weaker	stronger
Balance	decreases the right channel	decreases the left channel

Convenient Picture and Sound Controls (continued)

Picture still and To select Scan mode

USING THE TV'S FEATURES

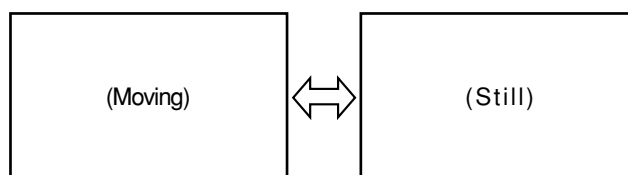


NOTICE OF POSSIBLE ADVERSE EFFECTS ON TV PICTURE TUBE

Avoid displaying stationary images on your TV screen for extended periods of time. Fixed (non-moving) images (such as still picture or black bars in wide-screen picture or computer display) can become permanently ingrained in the picture tube.

To freeze the picture

Press the **STILL** button 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 the **STILL** button again.



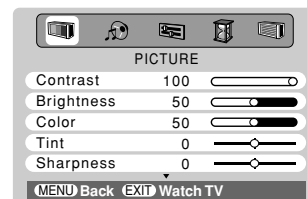
Note

If you use this function except for the purpose of your private viewing and listening, it may infringe the copyright protected by the copyright laws.

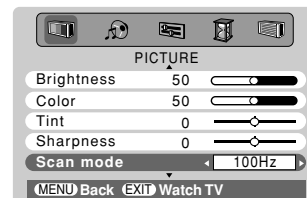
To select scan mode

You can select the desired scanning mode from among the 100Hz and D-Hyper.

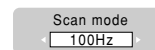
1 Press the **MENU** button, then press the < or > button to display the PICTURE menu.



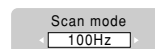
2 Press the ∇ or \blacktriangle button to select Scan mode.



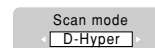
3 Press the < or > button to select the desired scan mode.



100Hz : Reducing the field flicker



D-Hyper : Reproducing the dense picture by Digital Hyper



Note

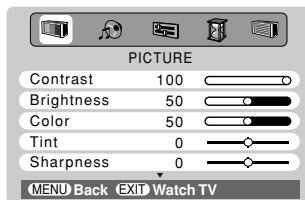
This function is active when the 576i signal is received.

Digital Noise Reduction (DNR)/Super Woofer/Cinema mode/Blue Screen

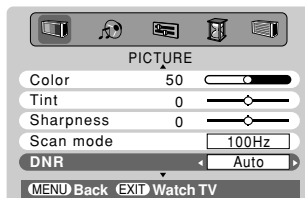
To select the Digital Noise Reduction

If the receiving signal is weak and the picture is blurry, the picture may be improved when using this function. You can select the picture quality among five modes.

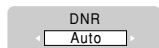
- 1 Press the **MENU** button, then press the < or > button to display the PICTURE menu.



- 2 Press the √ or ^ button to select the DNR.



- 3 Press < or > button to select Auto, Low, Mid, High or Off.



To turn off the Digital Noise Reduction

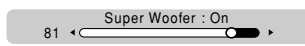
Select Off in step 3 above.

Note

This function is available for the 480i and 576i signals.

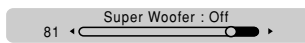
To use the Super Woofer

- 1 Press the button to display the Super Woofer level.



- 2 While the Super Woofer display is on the screen, press the + or - button to adjust the Super Woofer level.

- 3 To turn off the Super Woofer, press the button to display Super Woofer Off.



Note

The selected On or Off mode and the adjusted level are stored in the "Memory" of the selectable sound (see page 15).

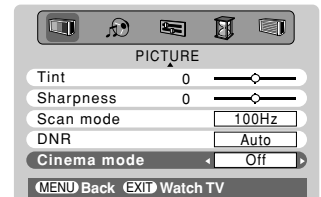
To set the Cinema mode to "AUTO"

A movie film features a picture with 24 frames a second, whereas the movie software like the DVD and so on that you enjoy watching television at home is changed to the picture of 30 (NTSC) or 25 (PAL) frames a second. To convert this signal to reproduce the smooth motion and picture quality, select the Auto mode.

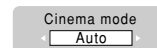
Effective signal and setup conditions

- When the Video input mode is selected
- When the input signal format is 480i or 576i signals

- 1 Press the **MENU** button, then press the < or > button to display the PICTURE menu. Press the √ or ^ button to select Cinema mode.



- 2 Press the < or > button to select Auto or Off.



Note

A DVD movie with a subtitle is input from a DVD player, the Cinema mode may not operate correctly.

To activate the 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 the **MENU** button, then press the < or > button to display the FUNCTION menu. Press the √ or ^ button to select Blue screen.



- 2 Press the < or > button to select On or Off.

Notes

- If the blue screen tends to miss-operate due to unstable signal strength or frequency, select "Off" in step 2.
- While in the PC input mode (see page 22), the Blue screen is not available.

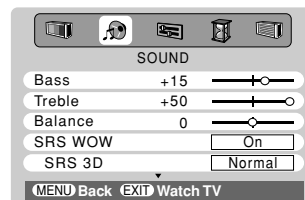
Convenient Picture and Sound Controls (continued)

To use the SRS WOW surround sound and Stable sound features

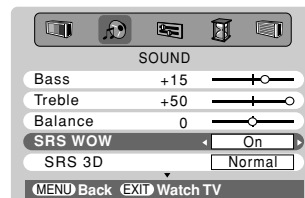
To turn on the SRS WOW surround

SRS WOW surround widens and deepens the audio listening field to deliver exceptional sound from the TV's speakers. The feature uses stereo signals from a TV broadcast or video input.

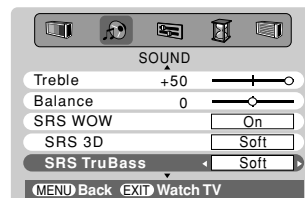
1 Press the **MENU** button, then press the < or > button to display the SOUND menu.



2 Press the ∨ or ∧ button to select SRS WOW, then press the < or > button to select On.



3 Press the ∨ or ∧ button to select "SRS 3D" or "SRS TruBass", then press the < or > button to select "Normal" or "Soft" for your personal preference.

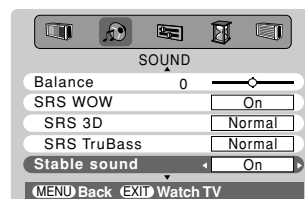


- SRS 3D : Surround effect
- SRS TruBass: Bass expansion effect

To turn on the stable sound

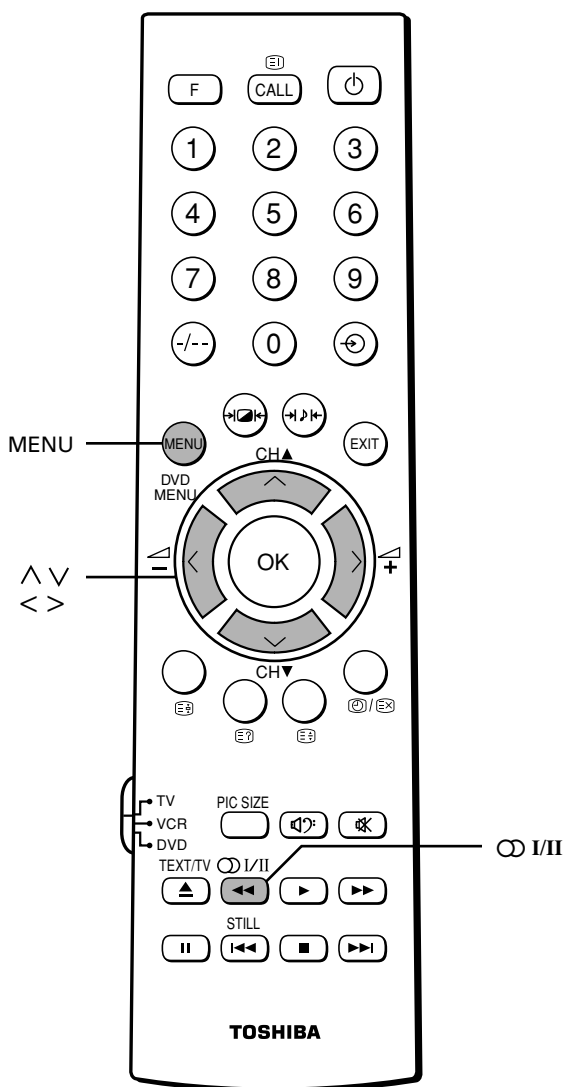
When the signal source is changed, the stable sound feature limits high volume levels to prevent extreme changes in volume. For example, this will prevent the sudden increase in volume that often happens when a TV program switches to a commercial.

1 From the SOUND menu, press the ∨ or ∧ button to select Stable sound.



2 Press the < or > button to select On or Off.

To turn off the stable sound
Select "Off" in step 2 above.



Notes

- If the broadcast is monaural, the SRS 3D effect does not work.
- WOW, SRS and the (●)® symbol are trademarks of SRS Labs, Inc.
- WOW technology is incorporated under license from SRS Labs, Inc.

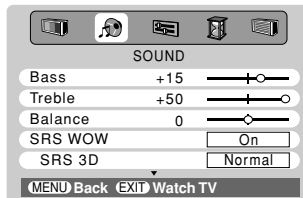
To select the MTS (Multi-channel TV Sound) mode and the stereo/bilingual mode

Setting the MTS mode

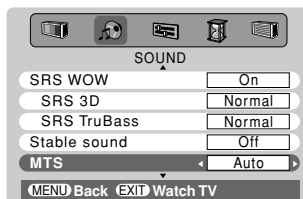
AUTO mode

The MTS AUTO mode automatically recognizes stereo/bilingual programs depending on the broadcast signal.

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



- 2 Press the ∨ or ∧ button to select MTS, then press the < or > button to select Auto or Mono.



Mono mode

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

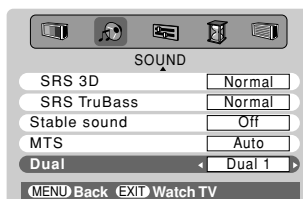
Note

If you experience noise with a particular program whose channel reception is usually good, try setting MTS mode to Auto, then switch the button to Mono (monaural) (refer to the chart at right).

Selecting the Dual 1 or Dual 2 mode

You can hear only Dual 1 or Dual 2 sound selected, whenever bilingual programs are received.

- 1 Press the **MENU** button, then press the < or > button to display the **SOUND** menu.
- 2 Press the ∨ or ∧ button to select Dual, then press the < or > button to select Dual 1 or Dual 2.

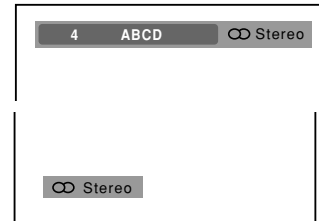


Notes

- 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 programs

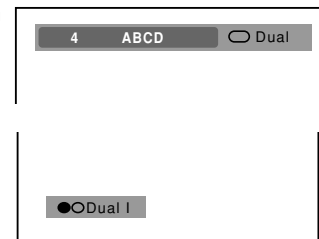
- 1 When a stereo program is received, Stereo appears.
- 2 Press the button to select the stereo or monaural mode. Stereo and Mono appear cyclically on the screen.



Display	Reception mode
Stereo	Stereo
Mono	Monaural

Bilingual programs

- 1 When a bilingual program is received, Dual appears.
- 2 Press the button to select the sound to be heard. The sound differs according to the transmission system: NICAM or German stereo bilingual broadcast. Dual 1, Dual 2 and Mono appear cyclically on the screen.



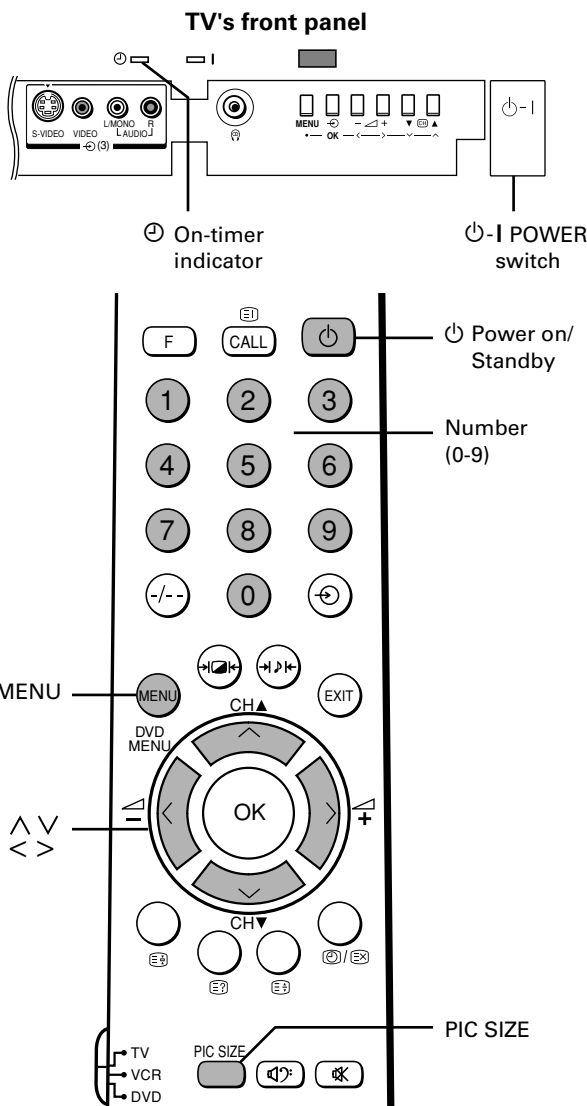
Display	Sound to be heard	
	NICAM	German stereo/bilingual broadcast
Dual 1	Sub I sound	Main sound
Dual 2	Sub II sound	Sub sound
Mono	Main sound	—

- These settings are not stored in the TV memory.

Viewing the Wide-Screen Picture Format

- This TV is capable of showing broadcasts in a number of formats. Depending on the type of broadcast being transmitted, you may select between Super live, Cinema, Subtitle, 14:9, Wide and 4:3.

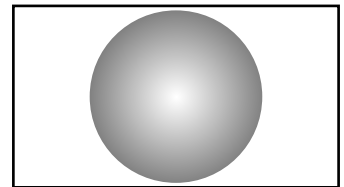
To select the picture size



Press the **PIC SIZE** button repeatedly to view the options available.

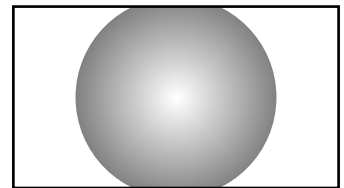
Super live

This setting will enlarge the image to fit the screen by stretching the image vertically and horizontally, holding the correct proportions at the center of the image.



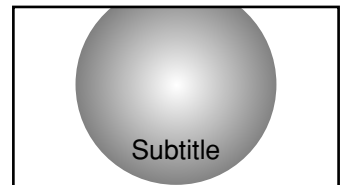
Cinema

When watching the "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.



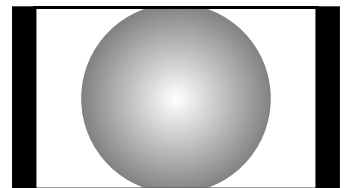
Subtitle

When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.



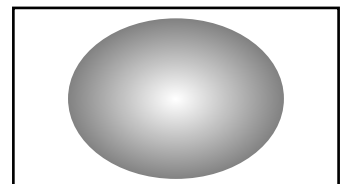
14:9

Use this setting when watching a 14:9 broadcast.



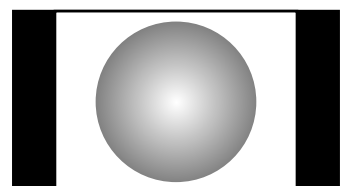
Wide

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



4:3

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



Notes

- Using the special functions to change the size of the displayed image (i.e., changing the height/width ratio) for the purpose of public display or commercial gain may infringe on copyright laws.
- To minimize any occurrence of permanent after-image, avoid using your TV in 14:9 or 4:3 mode as much as possible.
- The picture size selection is not available for a 720p/1080i input signal.
- If you select the Cinema or Subtitle mode for conventional size programs, parts of the picture at the top and bottom of the screen may be hidden. You can adjust the Picture position of the picture.

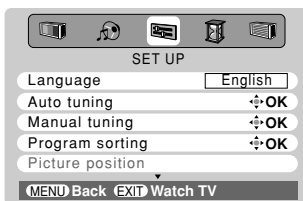
Using Other Features

Picture tilt correction/To adjust the picture position/Off timer/On timer

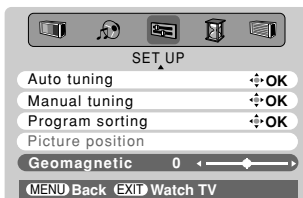
To correct picture tilt

When you install the TV or change the direction of the TV, the picture may tilt of the picture by the geomagnetism. If so, the following adjustment should be made so that the better picture.

- 1 Press the **MENU** button, then press the < or > button to display the SET UP menu.



- 2 Press the ∨ or ∧ button to select Geomagnetic, then press the < or > button to display the Geomagnetic menu.



- 3 Press the < or > button to correct any tilt of the picture between -10 and +10.



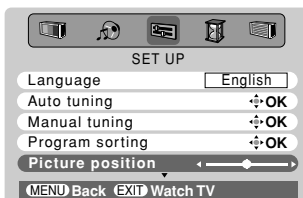
To return to the SET UP menu

Press the **MENU** button.

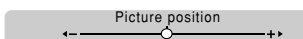
To adjust the picture position (Vertical only)

When you select the Cinema mode or Subtitle mode of the Picture size, you can adjust the picture position.

- 1 Press the **MENU** button, then press the < or > button to display the SET UP menu. Press the ∨ or ∧ button to select Picture position.



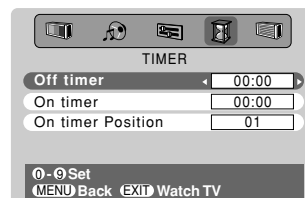
- 2 Press the < or > button to adjust the vertical position of the picture.



To turn off the TV automatically (Off timer)

With the Off timer, the TV will automatically switch to standby mode at a preset time.

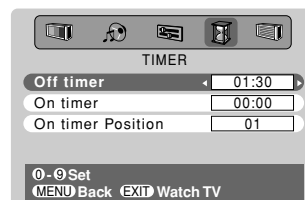
- 1 Press the **MENU** button, then press the < or > button to display the TIMER menu. Press the ∨ or ∧ button to select Off timer.



- 2 Press the **Number** buttons or the < or > button to set the amount of time after which you want the TV to switch into the standby mode.

Ex. One hour and 30 minutes: Press 0, 1, 3 and 0 or < or >.

Once the preset time has elapsed, the TV will automatically go into standby mode.



To cancel the Off timer

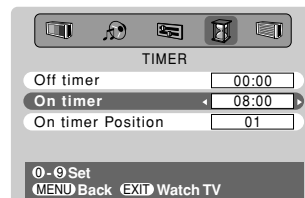
Press the ⏻ button twice (to turn off the TV once and turn it on again) or set the Off time to 00:00 in step 2 above.

To turn on the TV automatically (On timer)

With the On timer, the TV will automatically turn on to a preset channel at a preset time.

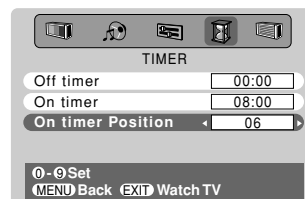
- 1 Press the **MENU** button, then press the < or > button to display the TIMER menu. Press the ∨ or ∧ button to select On timer. Press the **Number** buttons or the < or > button to set the TV on time.

Ex. 8 hours: Press 0, 8, 0 and 0 or < or >.



- 2 Press the ∨ or ∧ button to select to On timer Position. Press the **Number** buttons or < or > button to set the position number.

Ex. Position number 6: Press 0 and 6 or < or >.



- 3 Press the ⏻ button to switch the TV to standby mode. At the preset time, the TV will turn on automatically.

To cancel the On timer

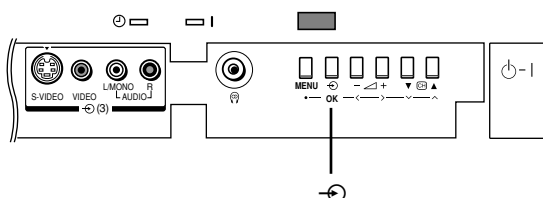
Press the ⏻-I POWER switch to turn off the TV or set the On time to 00:00 in step 1 above.

Using Other Features (continued)

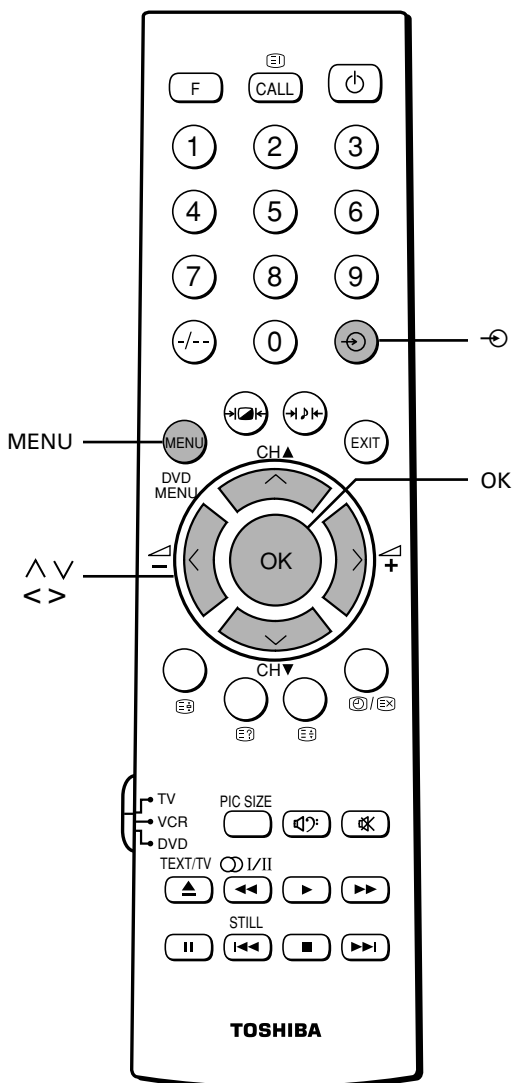
• When connecting video equipment to the TV, refer to page 28-30.

Input source selection

TV's front panel



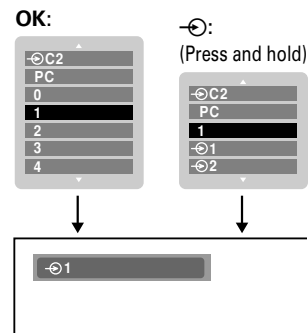
USING THE TV'S FEATURES



Note
To return to the TV mode from the PC mode, press the button.

To select input source:

1 Press and hold the button or press the **OK** button on the remote control until the video input mode list appears on the screen, then press the ∇ or \blacktriangle button to highlight the appropriate input source (or press the button on the front of the TV or the button on the remote control repeatedly to select the required input source directly).

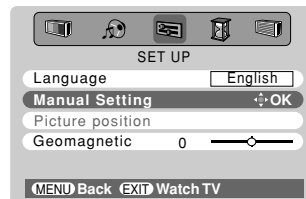


2 Press the **OK** button.

- 1 ((1), video 1 input), 2 ((2), video 2 input),
- 3 ((3), video 3 input),
- C1 ((C1), COMPONENT VIDEO INPUT),
- C2 ((C2), COMPONENT VIDEO INPUT),
- PC (RGB/PC, RGB/PC input)

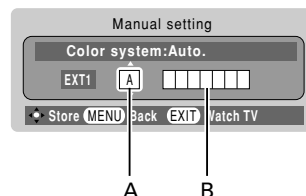
Manual setting:

1 Press the **MENU** button, then press the $<$ or $>$ button to display the SET UP menu. Press the \blacktriangle or \blacktriangledown button to select Manual setting.



2 Press the **OK** button to display the Manual setting menu.

3 Press the $<$ or $>$ button to select an item, then press the \blacktriangle or \blacktriangledown button to select the item as shown below.



A. Color System

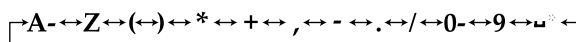
Confirm that color system is set to "A" (Auto). If not, select "A" with the \blacktriangle or \blacktriangledown button.

B. Video label

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

To change or create video labels:

1) Press the \blacktriangle or \blacktriangledown button repeatedly to select a character for the first space, then press the $>$ button.



*(blank space)

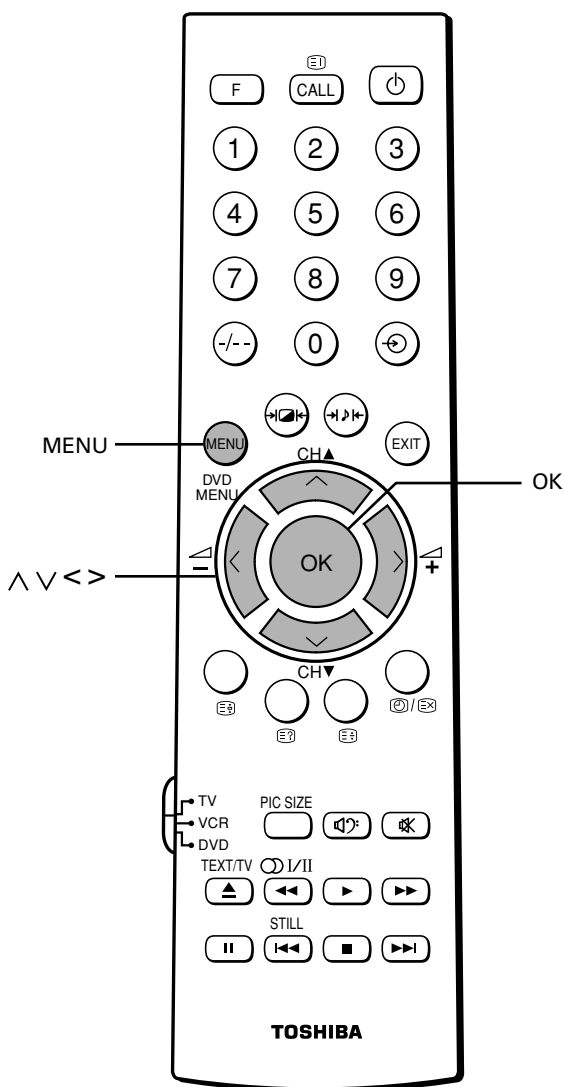
2) Repeat step 1) to enter the rest of the characters. If you would like a blank space in the label name, choose an empty space from the list of characters.

Press the **OK** button to store your settings.

PC setting Function

- When connecting PC equipment to the TV, refer to page 30.
- While in the PC input mode, you cannot select the Color, Tint, Scan mode, DNR and Cinema mode in the PICTURE menu.
- While in the PC input mode, the Manual setting is not displayed.

To adjust the picture position



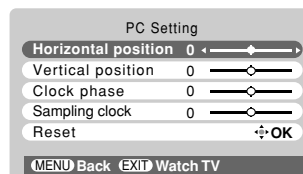
First press and hold the button until the video input mode list appears on the screen, then press the or and **OK** buttons in order to select the PC input mode.

To adjust the Horizontal position of the picture

- 1 Press the **MENU** button, then press the or button to display the SET UP menu. Press the or button to select PC Setting.



- 2 Press the **OK** button, then press the or button to select Horizontal position.

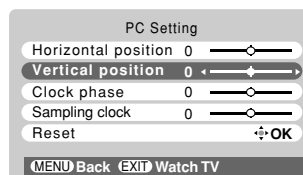


- 3 Press the or button to adjust Horizontal position of the picture.

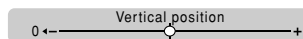


To adjust the Vertical position of the picture

- 1 From the PC Setting menu, press the or button to select Vertical position.



- 2 Press the or button to adjust Vertical position of the picture.



NOTICE OF POSSIBLE ADVERSE EFFECTS ON TV PICTURE TUBE

Avoid displaying stationary images on your TV screen for extended periods of time. Fixed (non-moving) images (such as still picture or black bars in wide-screen picture or computer display) can become permanently ingrained in the picture tube.

PC setting Function (continued)

- If the clock phase, which synchronize the PC signal and Color Television display, is not optimized, the picture will blur.
This function enables you to adjust Clock phase and display a clear picture.
- If the Sampling clock does not synchronize with the dot clock frequency of the PC, blurred picture detail will occur, or screen width will change, or drift patterns in vertical lines may be apparent.
This function enables you to adjust it and optimize the picture.
- The Reset function adjusts the PC Setting (for all VGA, SVGA and XGA) to the factory settings.

To adjust the Clock phase and Sampling clock/ To reset

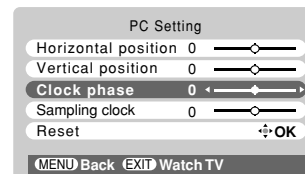
First press and hold the button until the video input mode list appears on the screen, then press the ∇ or \blacktriangle and **OK** buttons in order to select the PC input mode (see page 22).

To adjust the Clock phase of the picture

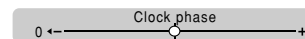
- 1 Press the **MENU** button, then press the \leftarrow or \rightarrow button to display the SET UP menu. Press the ∇ or \blacktriangle button to select PC Setting.



- 2 Press the **OK** button, then press the ∇ or \blacktriangle button to select Clock phase.

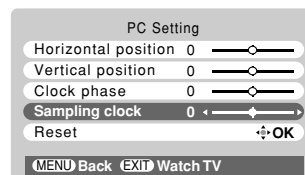


- 3 Press the \leftarrow or \rightarrow button to obtain a clear picture.



To adjust the Sampling clock

- 1 From the PC Setting menu, press the ∇ or \blacktriangle button to select Sampling clock.

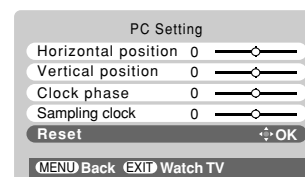


- 2 Press the \leftarrow or \rightarrow button to optimize the picture.



To reset the PC Setting

- 1 From the PC Setting menu, press the ∇ or \blacktriangle button to select Reset.

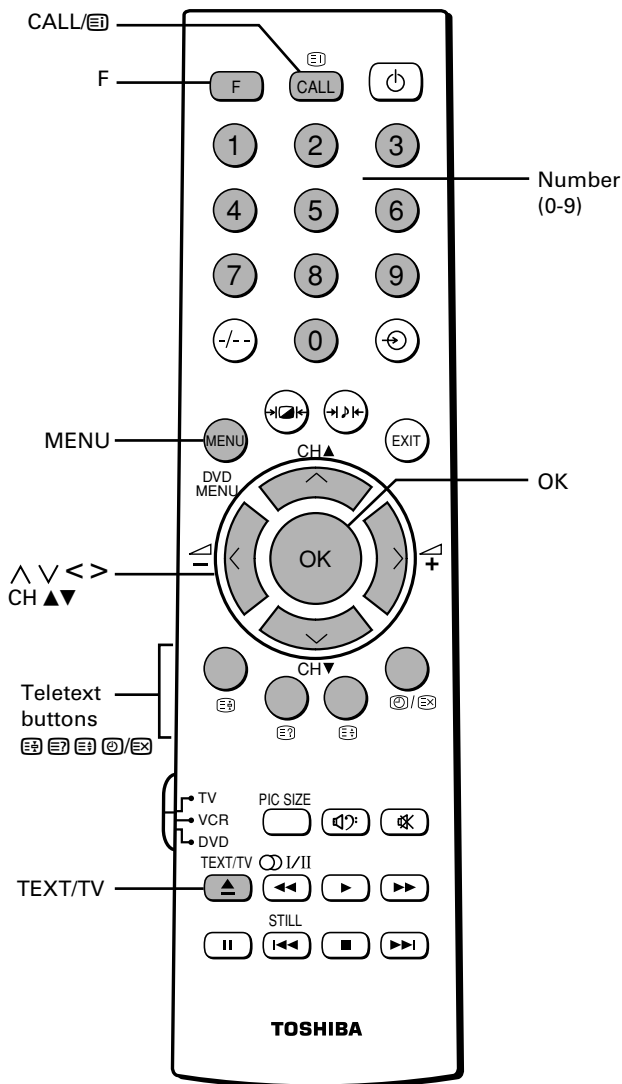


- 2 Press the **OK** button.

Note:

The optimum points of the clock phase and sampling clock adjustments may be incomprehensible according to the input signals.

USING THE TV'S FEATURES



NOTICE OF POSSIBLE ADVERSE EFFECTS ON TV PICTURE TUBE

Avoid displaying stationary images on your TV screen for extended periods of time. Fixed (non-moving) images (such as still picture or black bars in wide-screen picture or computer display) can become permanently ingrained in the picture tube.

Teletext-Control Buttons

- The TV is capable of showing both normal text and the text information selected by FAST mode and LIST mode.
- The Teletext buttons on the remote control have the same function for both text information types.

To view normal text

To display a page of text (TEXT/TV)

- 1 Select a desired TV station with the text service.
- 2 Press the **TEXT/TV** button.
The index page will appear.
- 3 Enter the 3-digit page number using the **Number** buttons (0 – 9).
Ex. Page 100: Press 1, 0 and 0.
- 4 Press the **TEXT/TV** button again to superimpose the teletext over a normal broadcast picture.
- 5 Press again to return to normal TV mode.

To display an index/initial page (CALL/☐)

Press the **CALL/☐** button if no page number is displayed in the text mode. The index page (FAST mode) or the preset initial page (LIST mode) will appear.

To go to the previous or next page (CH ▲▼)

Press the **CH ▲** button to switch to the next page.
Press the **CH ▼** button to switch to the previous page.

To stop a page of text (⏏)

When a page is divided into sub pages, it is convenient to hold a given page.

While pressing the **F** button, press the **⏏** button to stop the page. "⏏" will appear in the top left of the screen. Press again to release the stop mode.

To enlarge the text display size (⏏)

While pressing the **F** button, press the **⏏** button once to enlarge the top half of the page. Press again to enlarge the bottom half of the page, and again to return to the normal (full) size.

Note:

When you change a Text page after enlarging the text display size, or when a teletext page with sub code automatically changes, the top half of the page is always displayed first.

To see the bottom half of the page

- (1) While pressing the **F** button, press the **⏏** button when the page is displayed in the full display.
- (2) Select "bottom" by pressing the **F + ⏏** buttons repeatedly until the bottom half of the page is displayed.

Press the **⏏** button again to release the pause.

To select a page while viewing a TV picture (⏏/☐)

When in teletext mode, if a page selection is made and then the **F + ⏏/☐** button is pressed, a normal picture will be displayed. The TV will indicate when the page is present by displaying the number of the text page at the top of the screen. Press the **TEXT/TV** button to view the page.

To display news flashes:

To view news flashes as they are broadcast, select the news flash page for the particular teletext service (see the index page of teletext service). The news flashes will be displayed as and when they are broadcast. Press the **F + ⏏/☐** buttons to cancel the display.

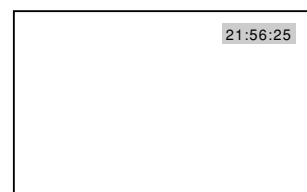
Note:

Press the **TEXT/TV** button to cancel the news flash page before changing channels.

To display the time (⏏/☐) (with the Teletext service only)

To display the accurate time on the screen while watching a normal TV picture, press the **F + ⏏/☐** buttons.

To erase the time display, press the buttons again.



To reveal concealed text (⏏)

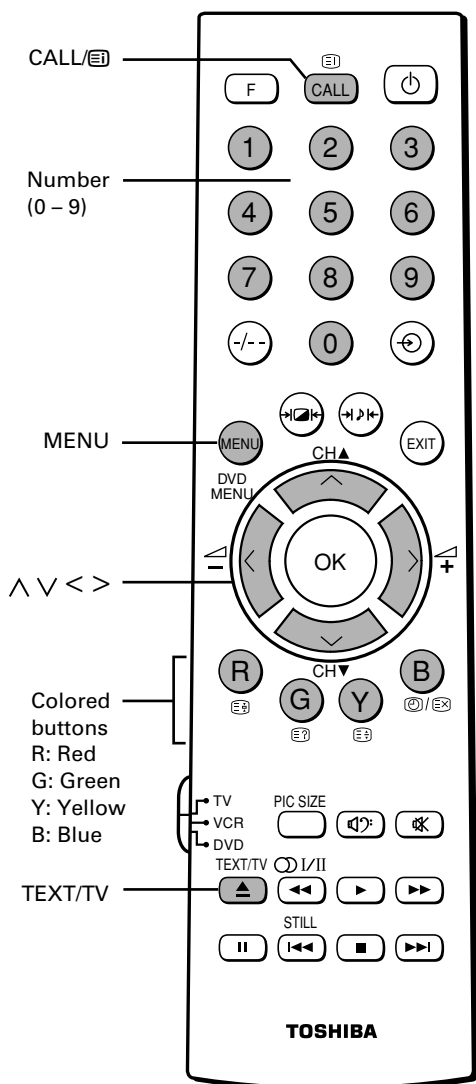
Some pages have sections that are concealed, such as the answers to quizzes and the punchlines of jokes. To see the concealed part, while pressing the **F** button, press the **⏏** button. Press again to conceal.

Teletext-FAST and LIST Modes

- FAST mode

FAST mode is a method of viewing Teletext pages by related subjects grouped by the broadcast studio. You can access any given topic shown on the screen simply by pressing the corresponding colored text select button on the remote control.

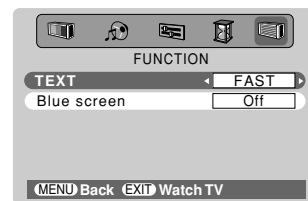
Using FAST mode



To select the FAST mode

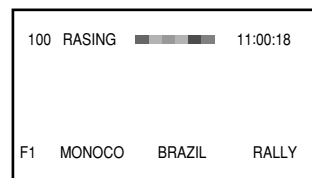
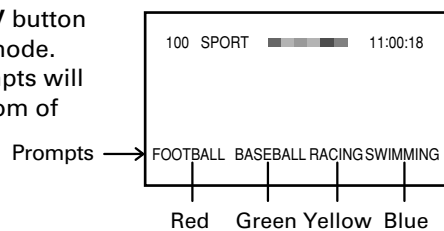
When you select the FAST mode, four colored prompts appear at the bottom of the screen. The colors correspond to those of the text select buttons on the remote control. Press the corresponding colored button to go to the desired topic page instantly.

- 1 Select a TV channel with the desired FASTTEXT service.
- 2 Press the **MENU** button, then press the < or > button to display the FUNCTION menu. Press the ∨ or ∧ button to select "TEXT".
- 3 Press the < or > button to select "FAST" (Fasttext mode).



To view Fasttext

- 1 Press the **TEXT/TV** button to select the text mode. Four colored prompts will appear at the bottom of the screen.
- 2 Press the colored button which corresponds to your desired topic. The display will switch to the selected page.
- 3 Repeat step 2 to switch to the next topic you want to view.



To return to the normal TV mode

Press the **TEXT/TV** button twice.

Press the **CALL/☐** button to display an index or an initial page.

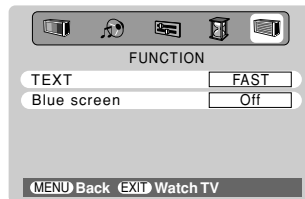
- LIST mode

You can preset up to four of the most frequently used text pages to select these pages easily. In addition to the four pages, you can preset an initial page which will appear first each time you select the text mode.

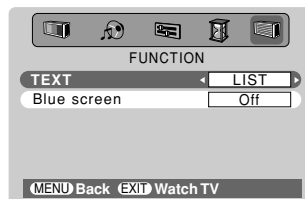
To preset and view the text pages in the LIST mode

To select the LIST mode

1 Press the **MENU** button, then press the < or > button to display the FUNCTION menu. Press the ∨ or ∧ button to select "TEXT".



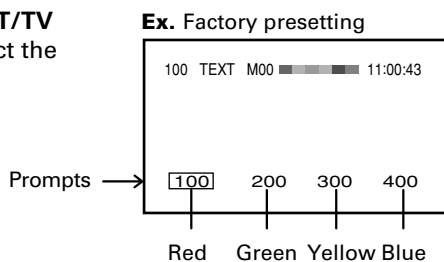
2 Press the < or > button to select "LIST" (LIST mode).



3 Select a TV channel with the normal text service.

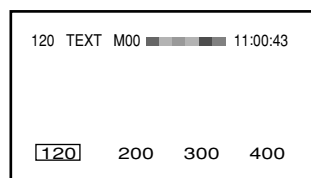
To preset desired page

1 Press the **TEXT/TV** button to select the text mode.



2 Press the **R** button to select the red page.

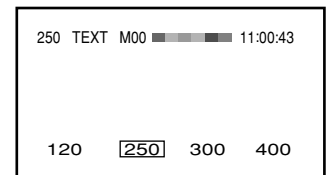
3 Press the **Number** buttons to enter the 3-digit page number that you want to preset as an initial page.
Ex. page 120 : Press 1, 2 and 0.



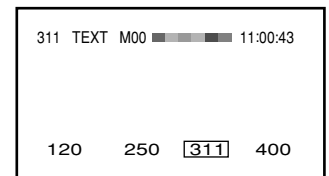
The preset page is displayed on the screen.

4 Press the **G** button to select the green page.

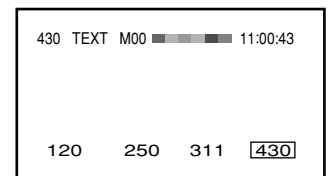
5 Enter the 3-digit page number you want to preset by using the **Number** buttons.



6 Repeat steps 4 and 5 to preset the other two pages using the **Y** and **B** buttons.



7 Press the **OK** button momentarily. The four colored prompts turn white momentarily and are stored in memory.



To display a desired page

Press the desired colored button according to the four colored prompts on the screen.

To display an initial page

Press the **CALL/☐** button.

External Equipment Connections

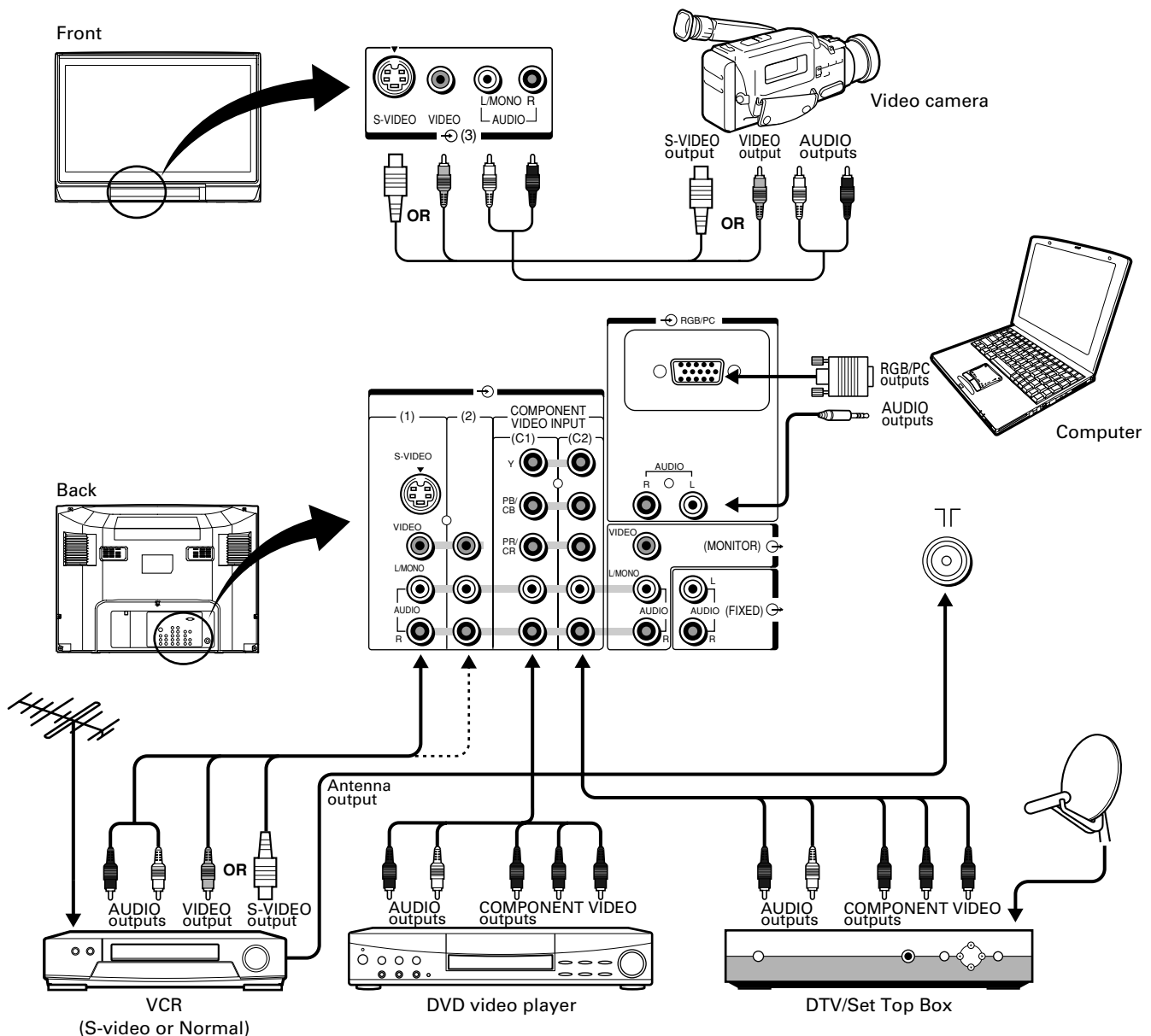
CAUTION: Do not plug in any power cords until you have finished connecting all equipment.

- Refer also to the owner's manual of the equipment to be connected.

To connect video/audio equipment (about input terminals)

When connecting video equipment to the TV:

- For good picture quality, use a standard yellow video cable.
- For better picture quality, if your equipment has an S-video output, use an S-video cable instead of a standard yellow video cable (You still must connect the standard red and white audio cables for full system connection, but do not connect the yellow video cable at the same time, or the picture performance will be unacceptable).
- For best picture quality, if your equipment has component video outputs, use component video cables instead of a standard video or S-video cable (You must connect the standard red and white audio cables for full system connection).

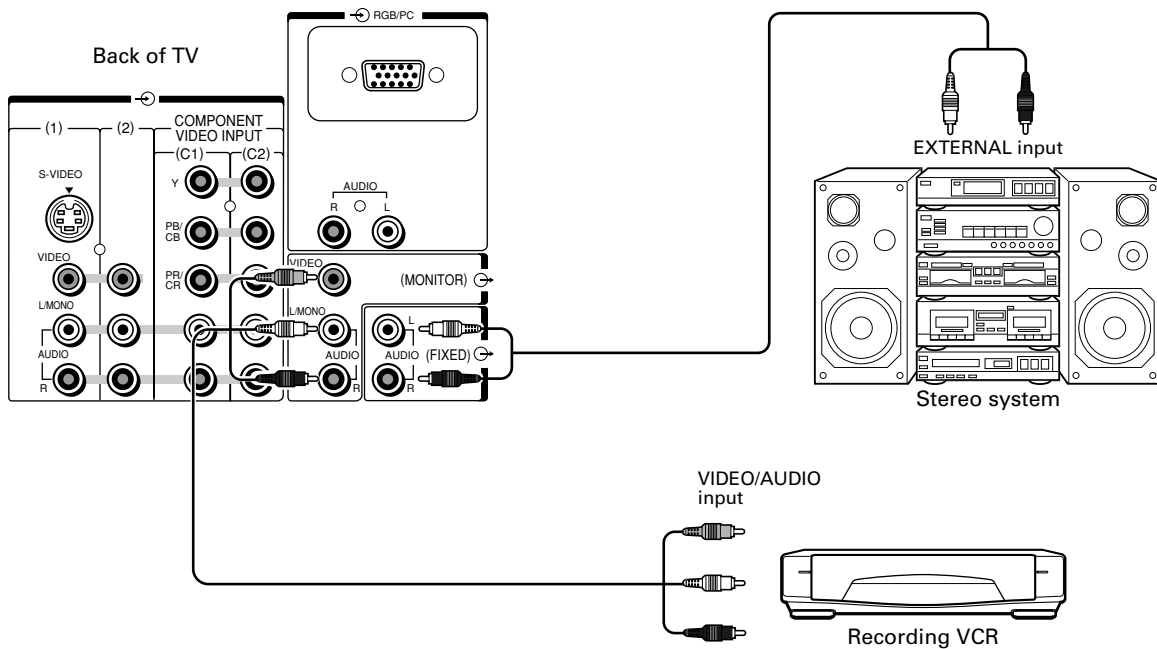


Notes

- If you connect monaural audio equipment, connect the audio cable to the "L/MONO" terminal of the TV.
- Cables are not supplied with your TV.

To connect video/audio equipment (about output terminals)

You can connect a stereo system to the MONITOR and FIXED AUDIO output terminals (phono type) on the TV to enjoy a high-quality sound from the stereo system. The MONITOR output terminals output the video and audio signals being monitored on the TV. The output audio signal level is fixed.



Notes

- The input switch of the VCR is normally in the TV position. Change the switch of the recording VCR to the LINE or CAMERA position when using the video/audio inputs of the VCR as above. Some VCR's automatically switch when cables are plugged into the video/audio inputs.
- The unauthorized recording of television programs, video tapes and other materials may infringe upon the provisions of copyright laws.
- When the "C1", "C2" or "PC" mode is selected, the MONITOR terminals output audio signal only.

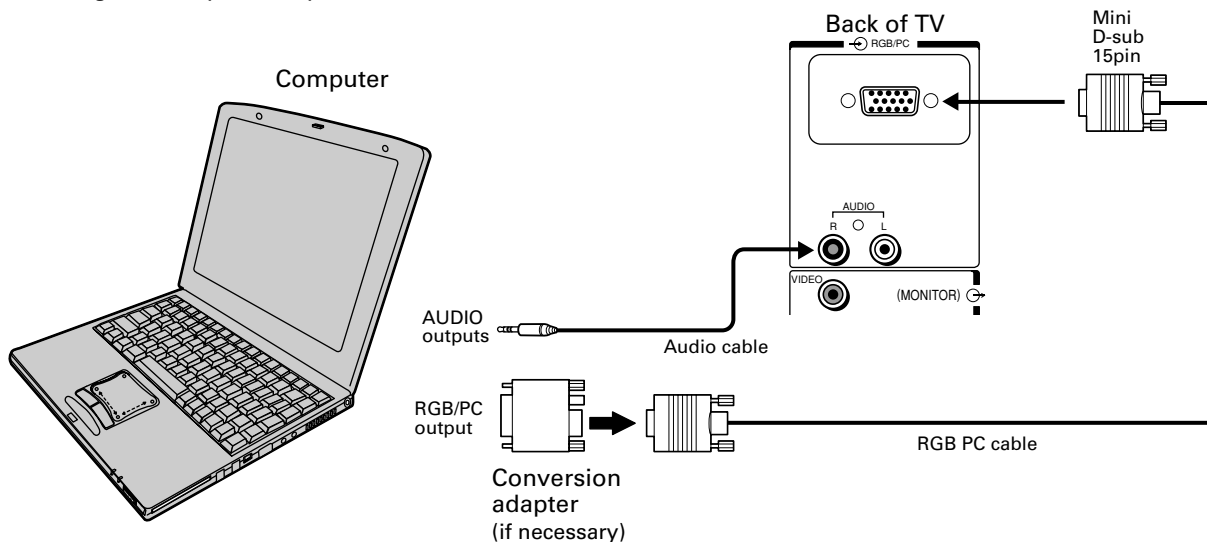
External Equipment Connections

(continued)

To connect a computer

When connecting computer equipment to the TV:

- An analog RGB (15pin) 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:

- VGA: VESA 640 × 480 @ 60 Hz
- SVGA: VESA 800 × 600 @ 60 Hz
- XGA: VESA 1024 × 768 @ 60 Hz

However, these RGB signal formats are converted to match the particular scanning system of the TV. Therefore, the TV may not display small text properly.

Notes:

- For the VESA 800 × 600 @ 60 Hz and VESA 1024 × 768 @ 60 Hz signals, the line flicker may appear on the screen.
- The color blur on the picture may occur according to input signals.
- 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 15pin 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.
- 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.

Signal names for mini D-sub 15pin connector

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		

Pin assignment for RGB/PC terminal

The diagram shows a top-down view of a mini D-sub 15pin connector. The pins are numbered 1 through 15. Pins 1, 2, 3, 4, 5, 6, 7, and 8 are arranged in a row along the top edge. Pins 9, 10, 11, 12, 13, 14, and 15 are arranged in a row along the bottom edge. Pin 1 is on the far left, and pin 15 is on the far right.

A Guide to Simple Problem Solving

- Before calling service personnel, please check the following chart for a possible cause of the trouble you are experiencing.

Symptom	Check these things
Power is not turned on.	<ul style="list-style-type: none"> • Be sure the power cord is plugged in.
No sound	<ul style="list-style-type: none"> • The headphones may be plugged in.
Poor color/tint	<ul style="list-style-type: none"> • The contrast, color and tint may need to be adjusted. • If you change the direction of the TV while the TV is on, the picture may suffer from color shading. If so, turn off the TV and allow about 30 minutes to cool, then turn on the TV again. The picture should improve.
Spots appear on the screen.	<ul style="list-style-type: none"> • The broadcast signal may be jammed by other electrical sources such as cars, motorcycles, electric trains, high tension lines, neon signs, hair dryers.
Lines appear on the screen.	<ul style="list-style-type: none"> • The broadcast signal may be jammed by other TV receivers, personal computers, and TV games, as well as interference from radio stations.
Double or triple images	<ul style="list-style-type: none"> • Interference may be due to broadcast waves reflected from mountains or buildings. • Check if the direction of the antenna has changed due to strong wind.
Snowy picture	<ul style="list-style-type: none"> • The antenna lead may be broken or disconnected. • Check if the direction of the antenna has changed.
Remote control does not work.	<ul style="list-style-type: none"> • The batteries in the remote control may be exhausted. • The batteries may be improperly installed. • Check that there is no obstruction between the remote control and the remote (infrared) sensor. • Check that a strong light is shining on the remote (infrared) sensor. • Check that the main power is not turned off.

The following are not malfunctions

The cabinet clicks.	<ul style="list-style-type: none"> • The clicking is a creaking sound produced when the cabinet expands or contracts due to changes in the temperature. This will not affect the picture or sound.
Unevenness in color sometimes develops in part of the screen.	<ul style="list-style-type: none"> • If the brightness is set too high, such unevenness in color may occur depending upon the nature of the picture. The proper color can be restored by reducing the contrast. Consult your local dealer.

Broadcast Transmission Systems in Each Country or Region

Area	Country or Region	System	
		Color	Sound
Asia M. E.	Bahrain, Kuwait, Israel, Oman, Qatar, United Arab Emirates, Yemen, and other Middle Eastern countries. Indonesia, Malaysia, Singapore, Thailand, and other Southeast Asian countries.	PAL	B/G
	China	PAL	D/K
	China Hong Kong	PAL	I
	Iraq, Islamic Republic of Iran, Lebanon, Saudi Arabia	SECAM	B/G
	Russian Federation	SECAM	D/K
	Myanmar	NTSC	M
Oceania	Australia, New Zealand	PAL	B/G
Africa	Republic of South Africa	PAL	I
South America	Argentina, Paraguay, Uruguay	PAL	N
	Brazil	PAL	M
	Chile, Colombia	NTSC	M

Notes

- PAL, SECAM and NTSC3.58 (MHz) are different color signal broadcast transmission systems applicable to different countries. NTSC4.43 (MHz) is used in some VCRs to playback NTSC recorded video tapes through PAL television equipment.
- Refer to the Specifications table on the next page to find the receivable television systems for your TV.

Specifications

MODEL		32JW8UA			
Rated voltage		~ 220 – 240 V, 50 Hz			
Power consumption (at ~ 220 V, 50 Hz)		185 W			
Dimensions (Width × Depth × Height)		755mm × 548mm × 552mm			
Mass		XXX kg			
Picture tube		Type 32, wide picture tube 82 cm (dia.) overall picture tube 76 cm (dia.) viewable picture area 100° deflection			
Television system (Antenna input)	Channel coverage	System	VHF	UHF	CABLE (Channels)
	Special RF signal	Color system	Sound system		
		PAL B/G (CCIR)	2 – 12	21 – 69	X ~ Z+2, S1 ~ S41
		PAL I (UK)	–	21 – 69	–
		PAL D/K (CHINA)	1 – 12	13 – 57	Z-1 ~ Z-38
		SECAM B/G (CCIR)	2 – 12	21 – 69	X ~ Z+2, S1 ~ S41
		SECAM D/K (OIRT)	1 – 12	21 – 69	X1 ~ X19
		NTSC M (US)	2 – 13	14 – 69	A-6 ~ A-1, A ~ W, AA ~ ZZ, AAA, BBB
		NTSC M (JAPAN)	1 – 12	13 – 62	M1 ~ M10, S1 ~ S41
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 particular scanning system of the TV.)			
Color system		PAL/SECAM/NTSC4.43/NTSC3.58			
Sound output		MAIN: 10W + 10W (10% THD) SUPER WOOFER: 13W (10% THD)			
Accessories		<ul style="list-style-type: none"> • Remote control 1 • Battery (R03, AAA) 2 • Owner's manual (This book) 1 			

Design and specifications are subject to change without notice.

Never service or remodel the TV set by yourself. It may expose you to a fire hazard or dangerous voltage.

Exemptions

- Toshiba is not liable for any damage caused by fires, natural disaster (such as thunder, earthquake, etc.), acts by third persons, accidents, owner's intentional 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 this 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.

TOSHIBA CORPORATION

YC/D 23566557