

TOSHIBA

F: ENGLISH
CS: 中文简体
CP: 中文繁体
RU: Russian
AR: Arabic

OWNER'S MANUAL

LCD TV



14VL43C 20VL43C

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23566044A

Introduction

Connecting
your TV

Using the
Remote Control

Setting up
your TV

Using the TV's
Features

Viewing Teletext

Appendix

Safety Instruction

Warning

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN NO USER-SERVICEABLE PARTS INSIDE	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

Important Safety Instructions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured. So, please read the points below for your own safety. They are of a general nature, intended to help you with all your electronic consumer products and some points may not apply to the goods you have just purchased.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this TV near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- This TV is not completely disconnected from a power supply line, as minute current is consumed even when the Power button is turned off.
- Do not place hot objects or naked flame sources, such as lighted candles or night-light on, or close to the TV. High temperatures can melt plastic and lead to fires.
- Do not set on top of the TV any object or container that might spill liquids or small objects into the TV.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where it exits the unit.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Cold cathode fluorescent lamp in LCD panel contains a small amount of mercury. Please follow local ordinances or regulations for disposal.

Exemptions

- Toshiba is not liable for any damage caused by natural disaster (such as thunder, fire, earthquake), uses by third person, 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 misuse 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.

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Introduction

Welcome to Toshiba

Congratulations! You have purchased one of the finest TFT LCD TV's on the market!

This manual will help you use the many exciting and useful features to make your TV viewing more enjoyable than before.

Before operating your TV set, please read all these safety and operating instructions completely and then keep them for future reference.

Exploring your new TV

You can operate your TV by using the buttons on the top panel or the remote control. The Side and back panels provide terminal inputs for connecting other equipment to your TV.

Customer's Record

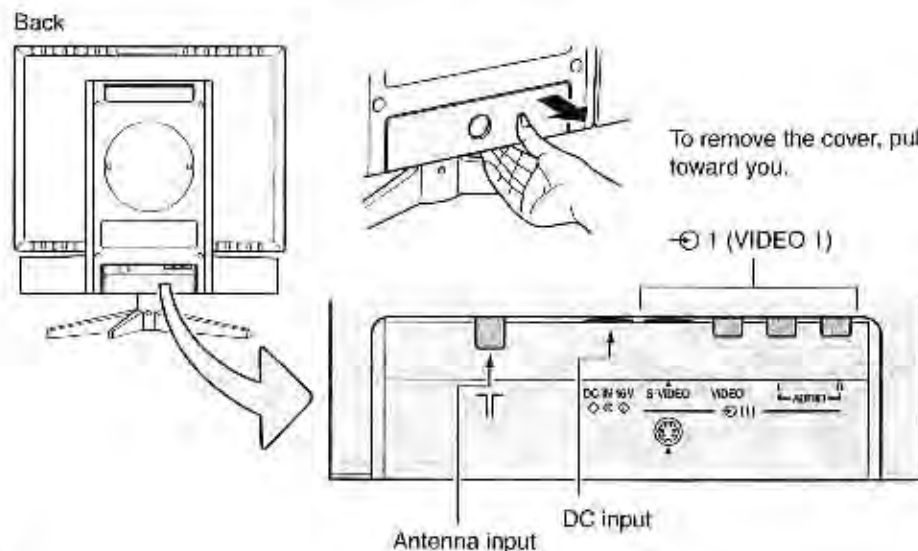
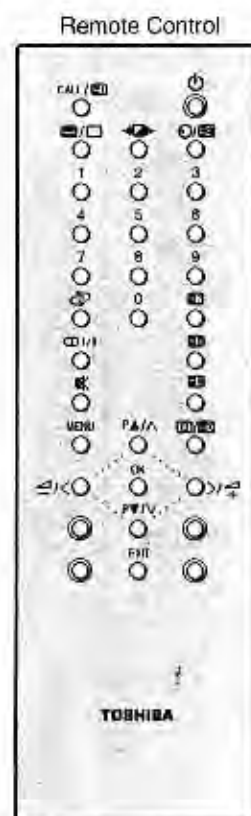
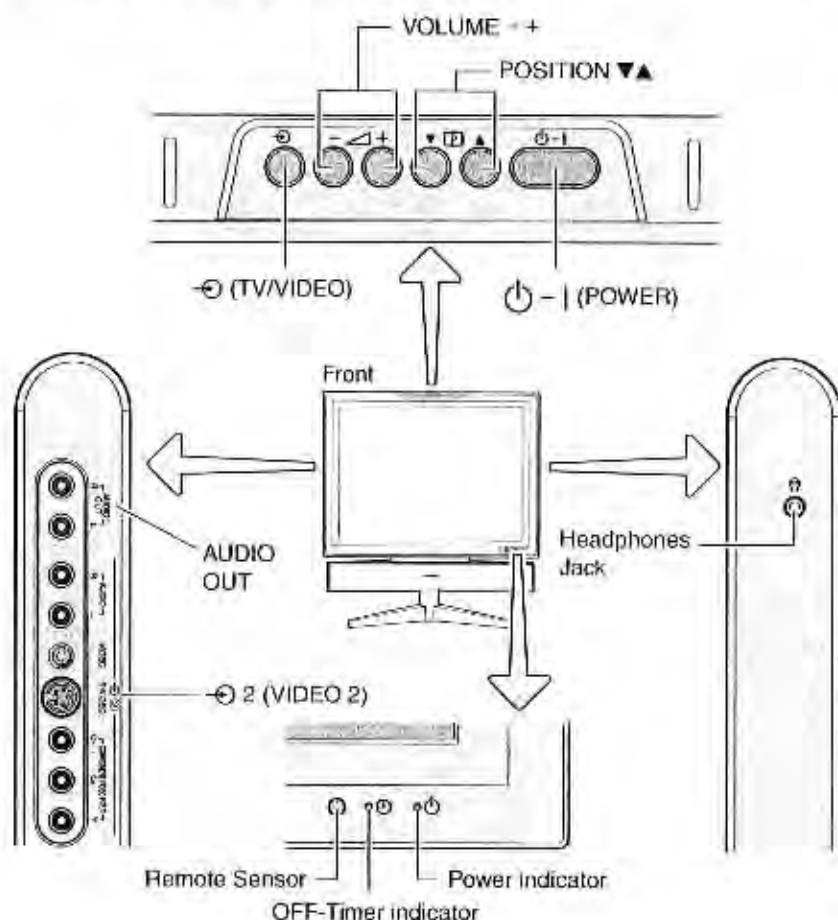
You will find the model number and serial number on the back of your TV set.

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 _____

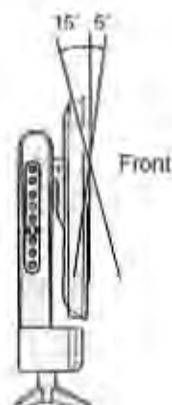


Selecting a location for the TV

Note: Before installing your TV, please read the important safety information on pages 2.

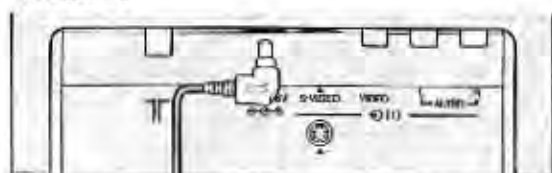
- Place the TV on the floor or a sturdy, level stable surface.
- Place the TV in a location where light does not directly hit the screen.
- Place the TV far enough from the walls to allow proper ventilation. Inadequate ventilation may cause overheating, which may damage the TV.

You can move the LCD panel forward and backward.



Connecting the power cord and AC adaptor

Back of TV



Filter

AC adaptor (supplied)

Power cord (supplied)

To Wall outlet

The plug type varies according to the countries.

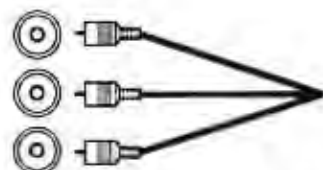
Connecting your TV

If you haven't connected electronic equipment before, or you have been frustrated in the past, you may wish to read this section. (Cables are not supplied.)

- A coaxial cable is the standard cable that comes in from your antenna.
- Audio and video cables are usually color coded according to use: yellow for video and red and white for audio. The red audio cable is for the stereo right channel, and the white audio cable is for the stereo (or mono) left channel. If you look at the rear panel of the TV, you will see that the terminals are color coded in the same manner as the cables.
- S-Video cable is for use with video equipment that has S-Video connectors.
- Component video cables come in sets of three (typically color-coded red, green, and blue), and are for use with video equipment that has component video connectors. Your TV's component video inputs are color-coded in the same manner as the cables.



Coaxial (antenna) cable



Standard A/V cables (red/white/yellow)



S-video cable

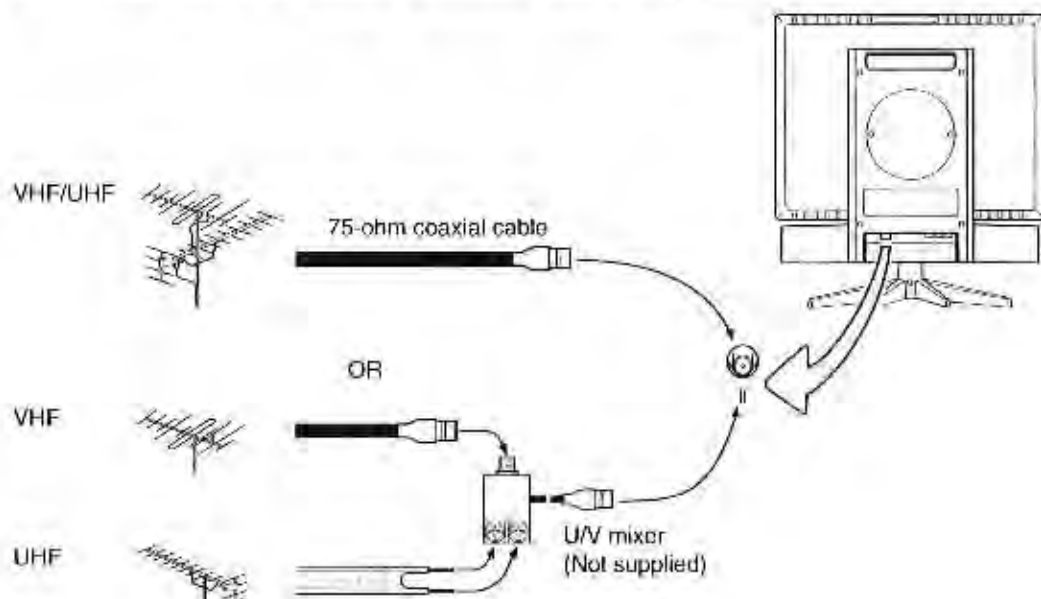


Component video cable

Caution:

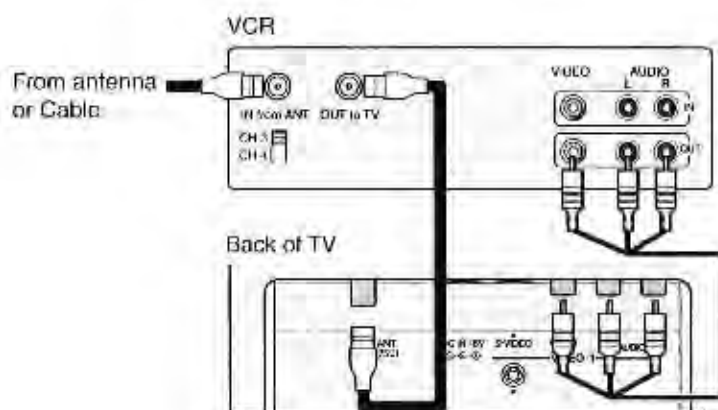
Do not plug the TV in until you have finished connecting all of your equipment.

Connecting an antenna without other equipment



Connecting a VCR

This connection allows you to watch VCR or TV programs. You can record TV programs. You can also record one TV channel while watching another channel.



Note:

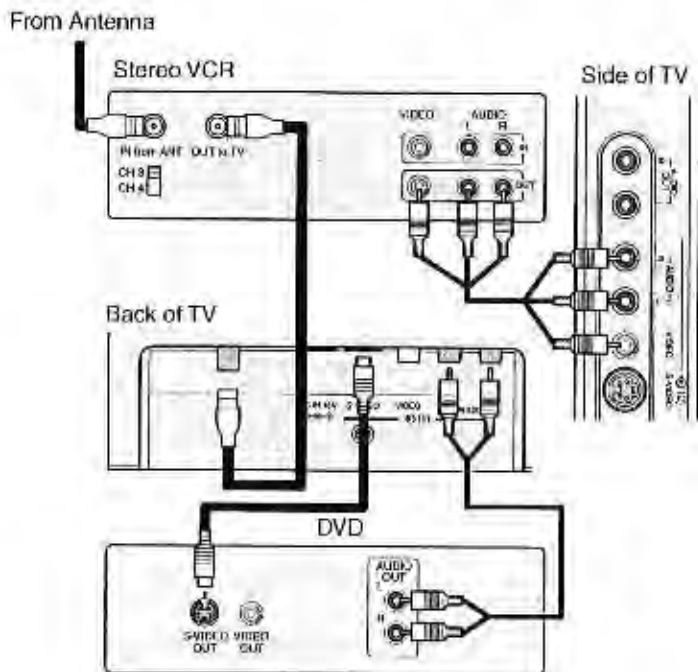
If you have a mono VCR, connect the L/Mono to the VCR Audio OUT using only one audio cable.

If you have a VCR with S-video, use an S-video cable (in the S-video jacks) instead of the regular video cable.

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs and other materials are prohibited under regional copyright laws, and may subject you to civil and criminal liability.

Connecting a DVD player and a VCR

This connection allows you to watch DVD, VCR, or TV programs. You can also record one TV channel while watching another channel.



Note:

To watch a DVD program, the TV must select $\odot$ 1, to watch a VCR program, the TV must select $\odot$ 2 (see page 15).

You can use a standard video cable instead of an S-video cable between the TV and DVD player, but the picture quality will decrease. The illustration at left shows one S-video cable and one pair of audio cables connected from the DVD player to $\odot$ 1 on the TV.

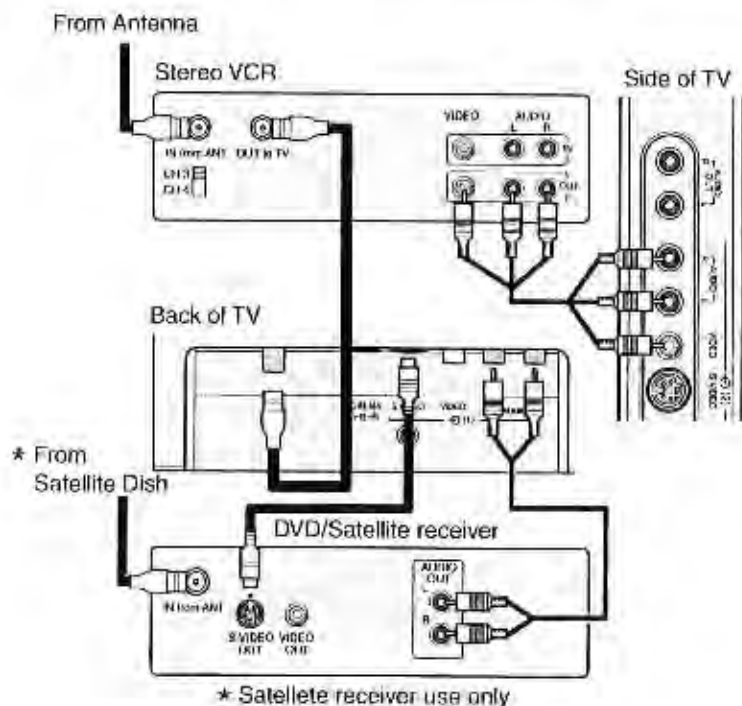
The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs and other materials are prohibited under regional copyright laws, and may subject you to civil and criminal liability.

Connecting your TV

Connecting a DVD player or satellite receiver and a VCR

This connection allows you to watch DVD/satellite, VCR, or TV programs. You can record from the satellite receiver or TV. You can also record one TV channel while watching another channel.

Note: If your DVD player has component video connections, see "Connecting a DVD player with component video and a VCR" on page 8.



Note:

To watch a DVD/satellite program, the TV must select $\odot$ 1, to watch a VCR program the TV must be set to $\odot$ 2 (see page 15).

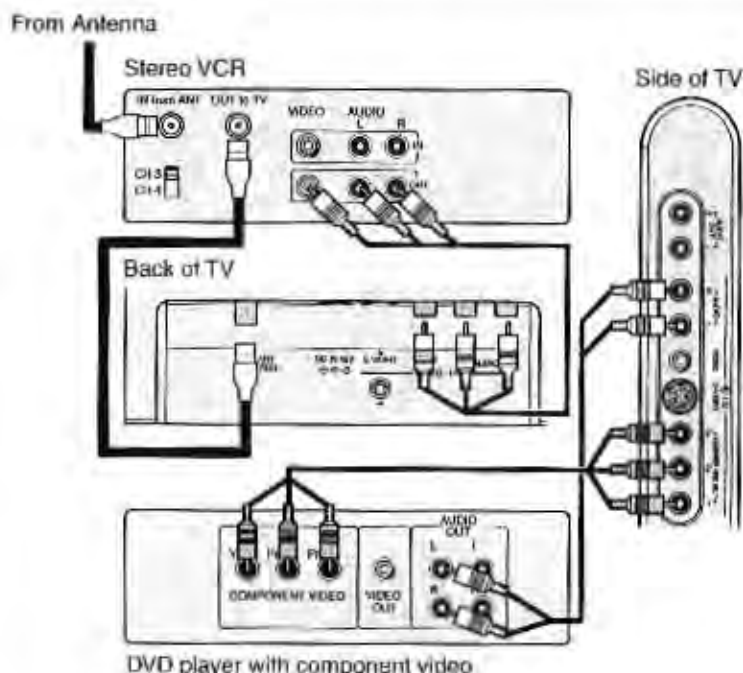
You can use a standard video cable instead of an S-video cable between the TV and DVD player/satellite receiver, but the picture quality will decrease. The illustration at left shows one S-video cable and one pair of audio cables connected from the DVD player/satellite receiver to $\odot$ 1 on the TV.

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs and other materials are prohibited under regional copyright laws, and may subject you to civil and criminal liability.

Connecting a DVD player with component video and a VCR

This connection allows you to watch DVD, VCR, or TV programs, and record TV programs. You can record one TV program while watching another TV program.

Your TV has component video connections. Connecting your TV to a component video compatible DVD player (such as a Toshiba DVD player with component video) can greatly enhance picture quality and performance.

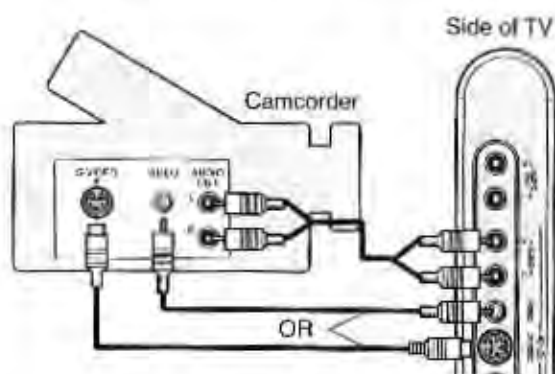


Note:

For the best picture performance, use component video cables between the TV and DVD player.

Connecting a camcorder

This connection allows you to watch video recorded on a camcorder. If your camcorder has an S-video connection, an S-video cable will provide better picture performance than a standard video cable.

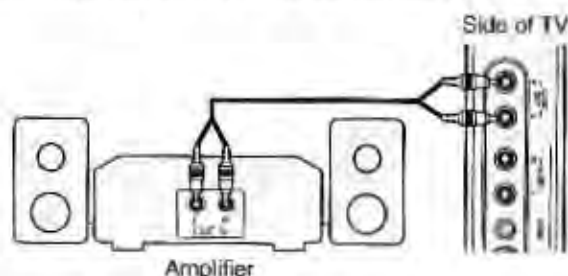


Note:

Do not connect a standard video cable and an S-video cable to $\text{--}\text{C}\text{--}1$ (or $\text{--}\text{C}\text{--}2$) at the same time, or the picture performance will be unacceptable.

Connecting an audio amplifier

This connection allows you to use an audio amplifier to adjust the audio level. This connection also allows you to use external speakers.



Note:

To control the audio, both the TV and the amplifier must be turned on, and the volume of the amplifier must be set above 0, or you will not hear any sound.

Using the remote control

Learning about the Remote Control

CALL displays screen information.(TV)

displays teletext initial/index.(TTX)

selects teletext/TV mode.

(**POWER**) turns the TV on and off.

POSITION NUMBERS allow direct access to channel positions.

returns to the last viewed channel.

selects the signal input source.

press to display a four digit sub-page number. (TTX)

MENU allows access to programming menus.

adjusts the TV picture by selecting one of the preset factory settings.

EXIT sets menu information and closes menus.

P (/) cycles through programed channels.

(/) Also used to highlight selections on the on-screen menus.

adjusts the volume level. Also used to increase or (</>) reduce the value of a menu option.

OK sets programed menu information.

Teletext Colored Buttons directly access teletext linked page.

selects stereo, bilingual sound mode.

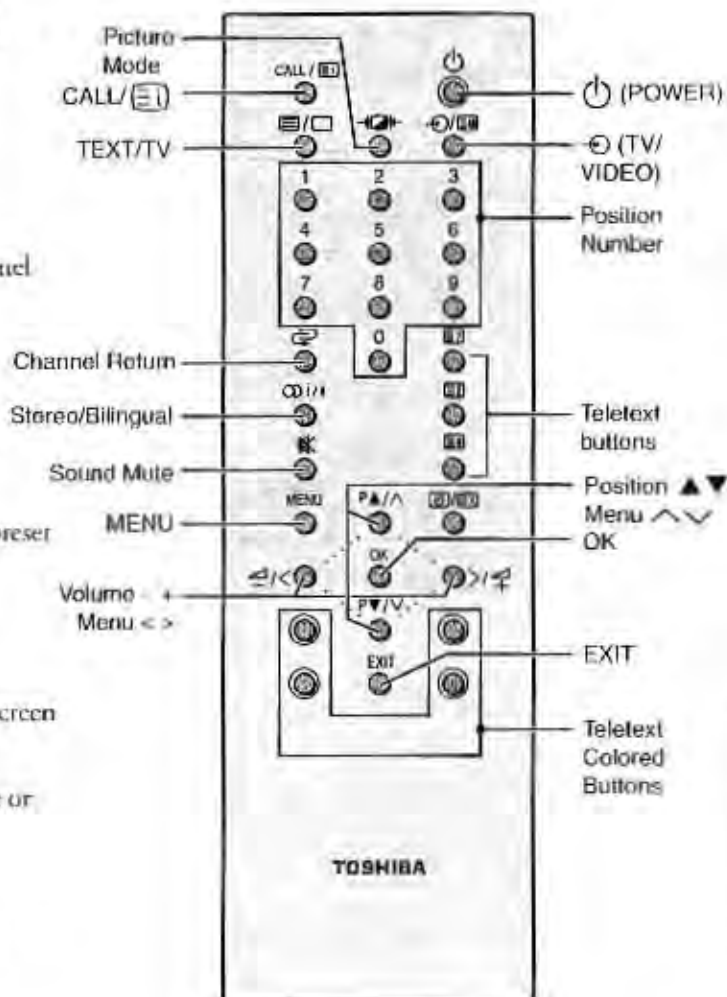
mutes the sound.

selects hidden content during teletext display.(TTX)

holds function during teletext display.(TTX)

press to change double-size letters.(TTX)

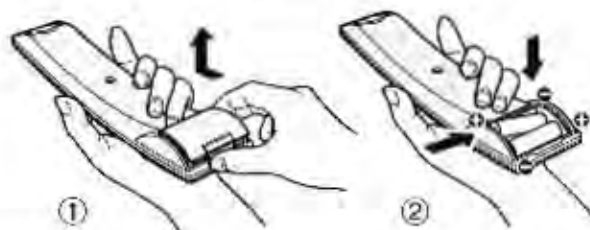
/EX) press to cancel the TTX mode or display the accurate time.(TTX)



Installing the remote control batteries

To install the batteries:

1. Take the battery cover off the back of the remote control as illustrated.
2. Install two R03/AAA batteries. Match the + and - signs on the batteries to the signs on the battery compartment.



3. Slide the battery cover back on to the remote control until the lock snaps.
- You can use your remote control within a distance of 5m and an angle of 30 degrees from the left and right sides of the remote sensor of your TV.

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.
- Remove dead batteries immediately to prevent battery acid from leaking into the battery compartment.

Note:

- If you do not intend to use the remote control for a long time, remove the batteries.
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace both batteries with new ones.

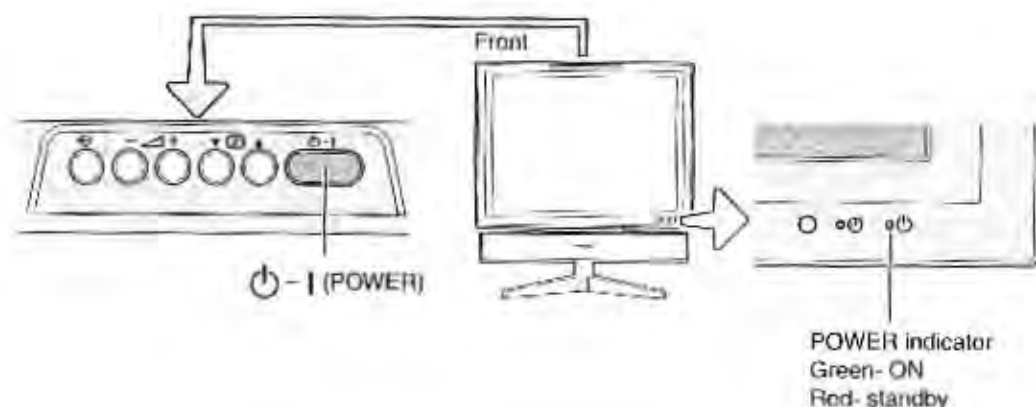
Setting up your TV

Turning the TV On and Off

1. Press the **POWER** button on the TV or on the remote control. The **POWER** indicator will light up in green and the picture will appear.
2. To turn off the TV, press the **POWER** button again, the **POWER** indicator will light up in red (standby).

Note:

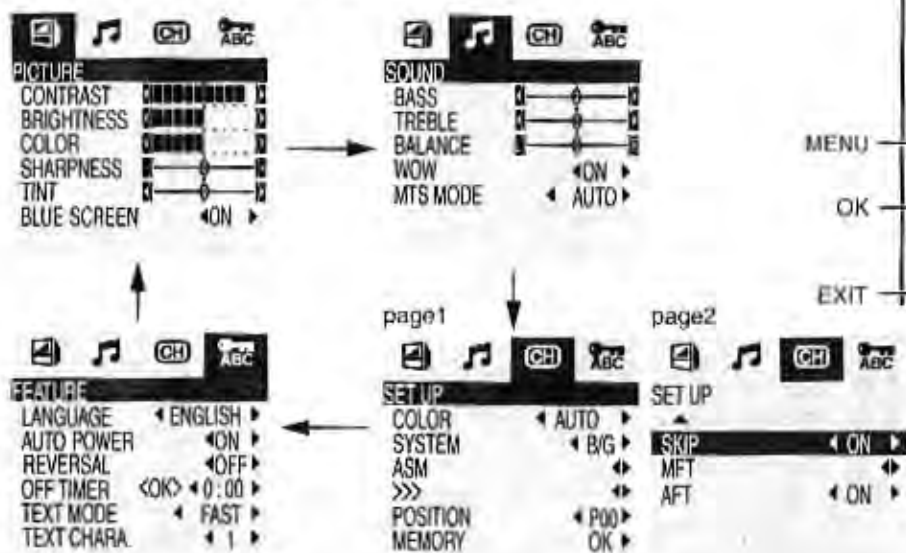
If you leave the TV unattended or unused for long periods of time, unplug the power cord.



Menu function

You will need to set some preferences on the TV using the menu system. You can access the menus using the buttons on your remote control.

1. Press **MENU** to display the menu.
2. Press **<** or **>** to select a menu.
3. Press **^** or **v** to select an item.
4. Press **<** or **>** to select or adjust a setting.



- Press **OK** to store the function settings in the menus.
- The main menu display will disappear automatically if you do not make a selection within 30 seconds. If you want to close all the on screen displays instantly, press **EXIT**.

Changing the on-screen display language

Choose from four different languages (English, 中文简体, 中文繁體, Russian) for the on-screen display of adjustment menus and messages.

To select a language:

1. Press **MENU**, and then press **<** or **>** to display the FEATURE menu.
2. Press **^** or **v** to highlight LANGUAGE.



3. Press **<** or **>** to select your desired language.

Programming Channels into the TV's memory

- First, use the ASM (Automatic Search Memory) function to preset all the active channels in your area automatically. Then, arrange the preset channels with the **>>>**, **SKIP** functions, **MFT** (Manual Fine Tuning) so that you can tune into only desired channels.
- Use the **>>>** function if desired channels cannot be preset with the ASM or if you would like to preset channels to specific position numbers one by one.

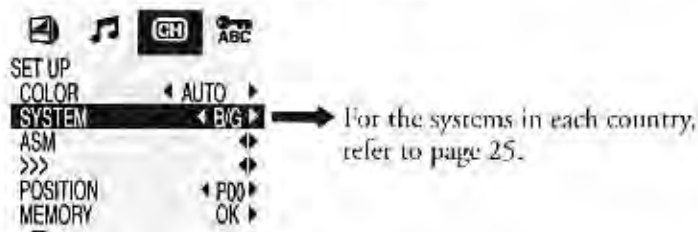
Automatic Search Memory (ASM)

1. Press **MENU**, and then press **<** or **>** to display the SET UP menu.
2. Press **^** or **v** to highlight COLOR, and then press **<** or **>** to select the correct color system for your area.

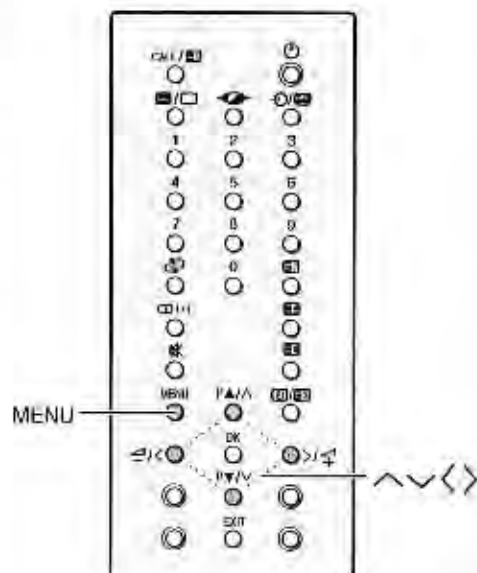


Normally select **AUTO**.

3. Press **v** to highlight **SYSTEM**, and then press **<** or **>** to select the correct sound system for your area.



4. Press **v** to highlight **ASM**, and then press **<** or **>** to start the ASM. All active channels will be preset automatically.



Setting up
your TV

When the search is complete, the normal picture appears.

To stop searching, press **MENU**.

Manually tuning your TV

1. Press $\vee$ to highlight **POSITION**, and then press $\langle$ or $\rangle$ until the position number you want to program.



2. Press $\wedge$ to highlight $\rangle\rangle\rangle$, and then press $\langle$ or $\rangle$.
 $\rangle$ button searches for higher-numbered channels.
 $\langle$ button searches for lower-numbered channels.



$\rangle$ button

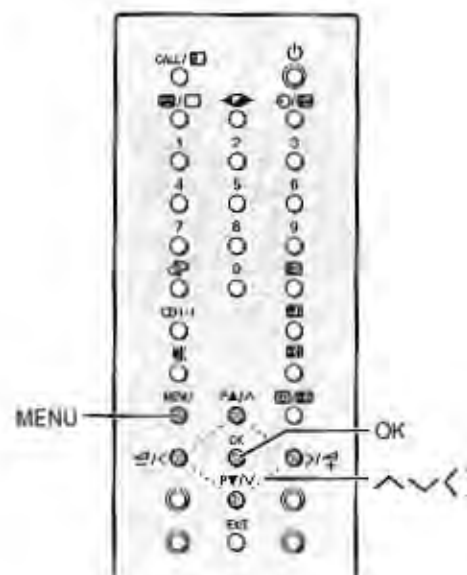


$\langle$ button



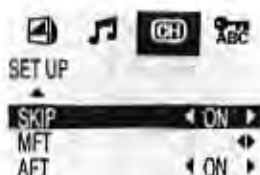
Press either button until your desired program is received.

3. Press $\vee$ to highlight **MEMORY**, and then press $\rangle$ (or OK) button to store the channel at the current position.

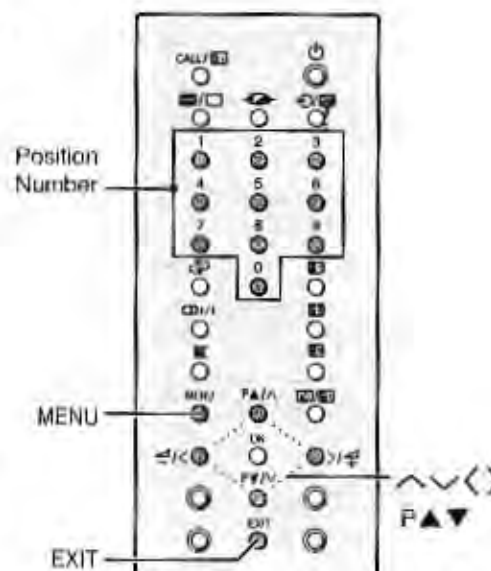


To skip unnecessary position number

1. Select the position number you want to skip with the **P▲▼** or Position Number buttons.
2. Press **MENU**, and then press $\langle$ or $\rangle$ to display the SET UP menu.
3. Press $\wedge$ or $\vee$ button to highlight **SKIP** (page 2), and then press $\langle$ or $\rangle$ to select **ON**.



4. Press **EXIT** to erase the menu display. Then select the position number to be skipped with the Number buttons. "•" mark appears to the left of the position number.
 The position number will then be skipped when you select channels with the **P▲▼** buttons.



To store a skipped position number:

1. Select the position number you want to restore with the Position Number buttons.
2. Select **OFF** in step 3 above.

Manual Fine Tuning (MFT)

This adjustment is **not** necessary under normal receiving conditions. However, in areas of inferior broadcast conditions where adjustment is necessary for better picture, follow these steps.

1. Select the channel you want to fine-tune with the P▲▼ or Position Number buttons.
2. Press **MENU**, and then press < or > to display SET UP menu.
3. Press ▲ or ▼ to highlight MFT (page 2), and then press < or > until the best possible picture and sound are obtained.



While pressing the button, < or > will flash.

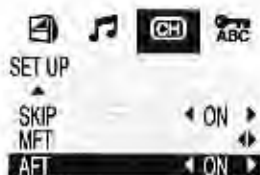
Note:

When operating the MFT, AFT is automatically set OFF.

Automatic Fine Tuning (AFT)

The AFT function automatically corrects slight fluctuations when receiving signals.

1. Select the channel you want to fine-tune with the P▲▼ or Position Number buttons.
2. Press **MENU**, and then press < or > to display SET UP menu.
3. Press ▲ or ▼ to highlight AFT (page 2), and then press < or > to select ON.



Note:

While in the AFT OFF mode, "■" mark appears to the left of the position number.

To change program position:

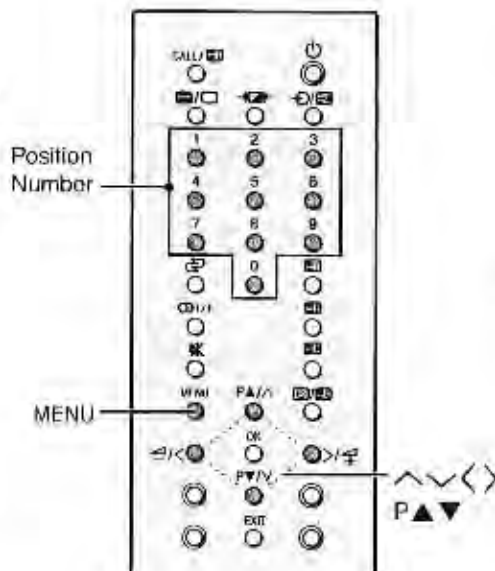
- Enter the desired program position number using the Channel position buttons on the remote control.

For program positions below 10, use (0 and) the required number i.e., for program position 4.



- You can also change the program position by using the P▲ or P▼ button.

The program position will be displayed on the screen with the Stereo/Bilingual indicator.



Using the TV's Features

Adjusting the Picture

Selecting the picture mode

There are four picture mode to choose from, designed to suit your particular taste.

The picture enhancement decreases from Picture mode-1 down to Mode-3. i.e. should you require high levels of contrast but a low picture enhancement you can choose Picture mode-3 and then increase contrast. These settings are stored as Picture mode-M.

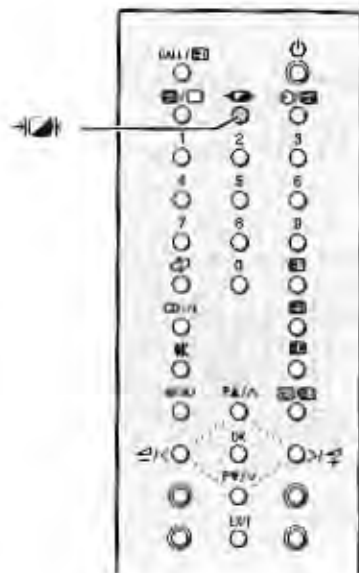
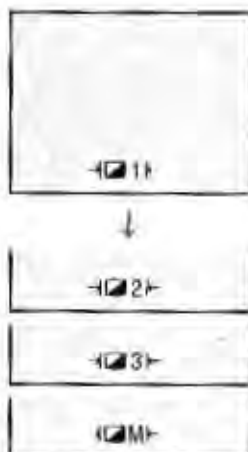
Selectable picture allows you to change the contrast at the touch of a button.

To select the alternative picture modes:

- Press the  button repeatedly to view the different picture modes available.

Picture mode-1 to 3 are for preset options.

- The Picture mode-M will contain your own selection of Contrast, Brightness, Color, Sharpness and (Tint) as set out below.

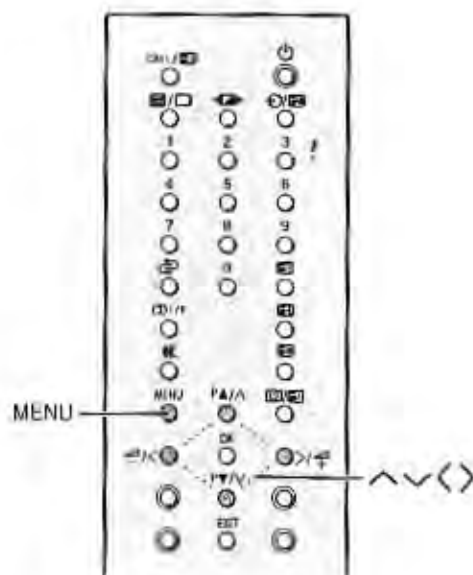


Adjusting the picture quality

You can adjust the picture quality to your personal preferences, including the contrast, brightness, sharpness, color, and tint. Your choices will be stored automatically in your TV's memory.

To adjust the picture quality:

1. Press **MENU**, and then press **<** or **>** to display the PICTURE menu.
2. Press **^** or **v** to highlight the PICTURE item you want to adjust.
3. Press **<** or **>** to adjust the level.



The PICTURE items you have adjusted will be stored in the TV's memory automatically.

Selection	< Pressing >	
Contrast	lower	higher
Brightness	darker	lighter
Color	paler	deeper
Sharpness	softer	sharper
Tint*	reddish	greenish

* for NTSC SYSTEM only

Using the blue screen feature

With the blue screen function ON, the screen will automatically turn blue and the sound will be muted when no signal is received.

To turn on the blue screen:

1. Press **MENU**, and then press **<** or **>** to display the **PICTURE** menu.
2. Press **^** or **v** to highlight **BLUE SCREEN**, and then press **<** or **>** to select **ON**.



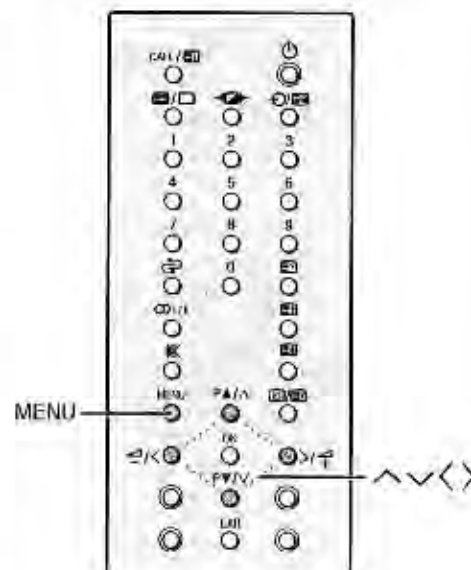
Note:

If the blue screen tends to mis-operate due to unstable signal strength or frequency, select OFF in step 2.

Selecting the video input source

Press **↻** to view a signal coming from another device connected to your TV, such as a VCR or DVD. You can select **↻ 1 VIDEO 1**, or **↻ 2 VIDEO 2** depending on which input jacks are used for connecting the devices.

- ↻ 1 VIDEO 1: ↻ 1 terminals on TV back
- ↻ 2 VIDEO 2: ↻ 2 terminals on monitor side

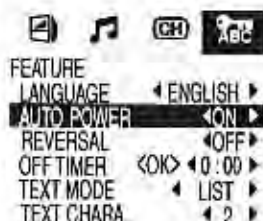


Using the auto power off feature

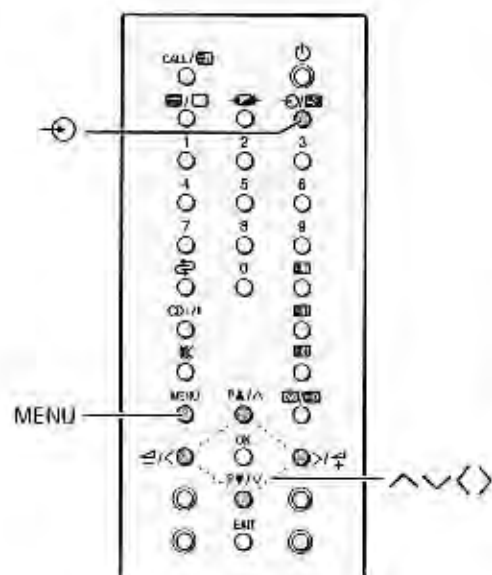
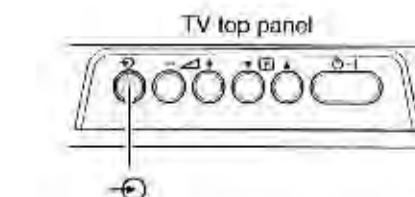
The TV will automatically turn itself off (standby mode) after approximately 15 minutes if it is tuned to a vacant channel or a station that completes its broadcast for the day. This feature does not work in **VIDEO** mode.

To turn on the auto power off feature:

1. Press **MENU**, and then press **<** or **>** to display the **FEATURE** menu.
2. Press **^** or **v** to highlight **AUTO POWER**, and then press **<** or **>** to select **ON**.



To turn off the auto power off feature:
Select **OFF** in step 2.

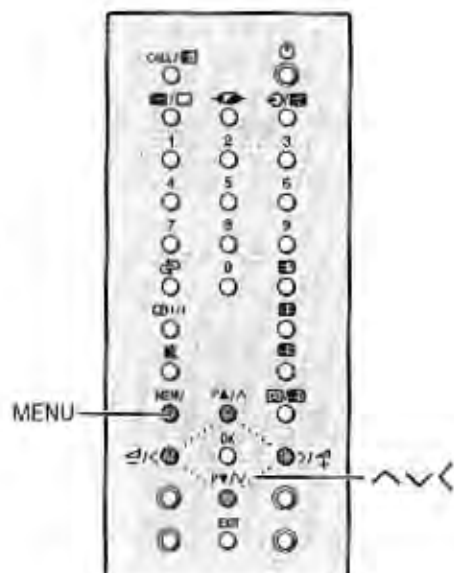
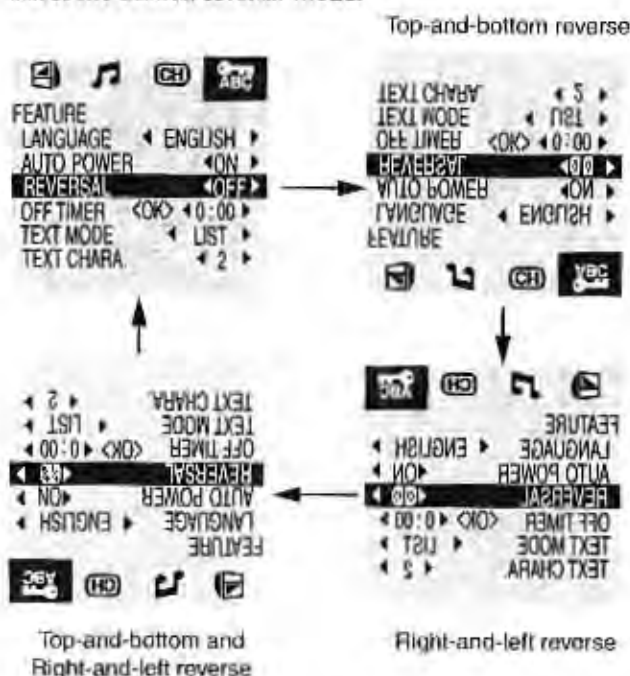


Using the REVERSAL feature

This is a function to reverse the on-screen menu.

To select the reversal mode:

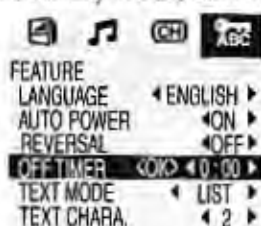
1. Press **MENU**, and then press **<** or **>** to display the FEATURE menu.
2. Press **^** or **v** to highlight REVERSAL, and then press **<** or **>** to select the desired reversal mode.



Setting the off timer

To set the off timer to turn the TV off (standby mode) automatically:

1. Press **MENU**, then press **<** or **>** to display the FEATURE menu.
2. Press **^** or **v** to highlight OFF TIMER.
3. Press **<** or **>** to select the time.



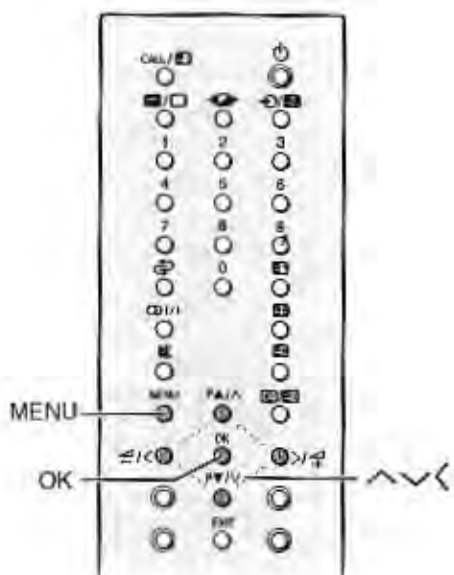
Every time you press the button, the time display will increase (or decrease) by 30 minutes, up to 3 hours.

0:00 * 0:30 * 1:00 * 1:30 * 2:00 * 2:30 * 3:00 * 0:00

4. Press **OK**.

To cancel the off timer:

Select until it is set to 0:00, then press **OK**.



Adjusting the Sound

Adjusting the volume

Press or to raise or lower the volume.



Muting the Sound

This is useful during telephone calls or other interruptions.

1. Press to temporarily turn off the sound.
While the sound is off, the screen will display the word MUTE.



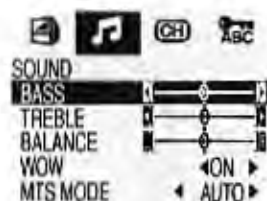
2. To restore the sound, press again or simply press either or .

Adjusting the sound quality

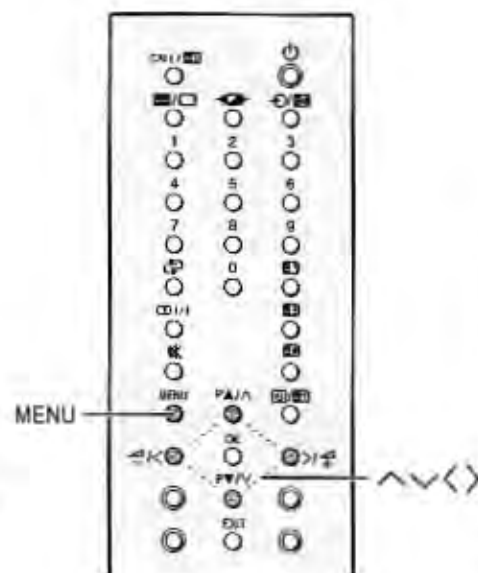
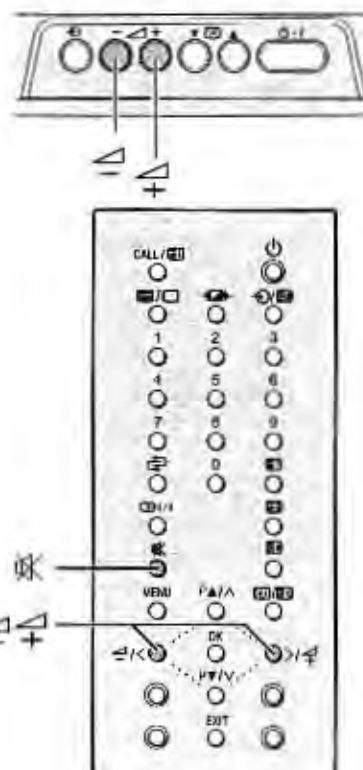
You can change the sound quality of your TV by adjusting the bass, treble, and balance.

To adjust the sound quality:

1. Press **MENU**, then press or to display the SOUND menu.
2. Press or to highlight the item you want to adjust.
3. Press or to adjust the level.



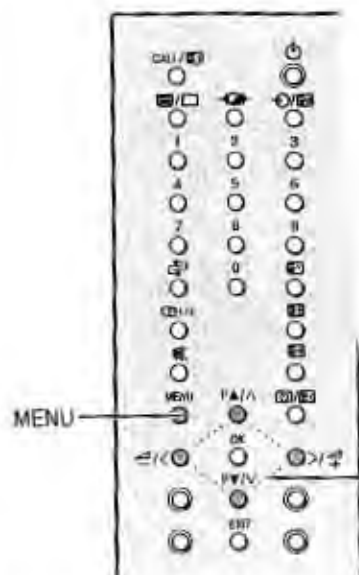
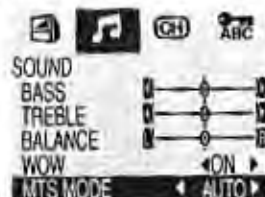
- makes the sound quality weaker or decreases the balance in the right channel, depending on the item selected.
- makes the sound quality stronger or decreases the balance in the left channel, depending on the item selected.



Setting the MTS AUTO mode

The "AUTO" setting of the MTS (Multichannel TV sound) mode automatically recognize stereo/bilingual programs depending on the broadcast signal.

1. Press **MENU**, and then press **<** or **>** to display the **SOUND** menu.
2. Press **^** or **v** to highlight **MTS MODE**.
3. Press **<** or **>** to select **AUTO**.



Setting the MTS MONO mode:

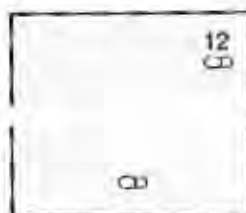
If you experience noise or poor reception of any stereo/bilingual program, set the MTS mode to MONO. Noise will be reduced and reception may improve.

Receiving stereo or bilingual sound

The TV receives both stereo and bilingual broadcasts transmitted in either the NICAM or German stereo/bilingual broadcast system.

Stereo programs:

1. When a stereo program is received, **∞** appears.



2. Press the **∞ I/II** to select the stereo/monaural mode. **∞** and **v** appear cyclically on the screen.

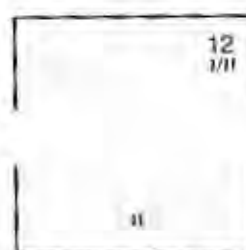
Display	Reception mode
∞	Stereo
v	Monaural

Note:

If you experience noise with a particular program on whose channel reception usually good, try setting MTS mode to AUTO, then switch the **∞ I/II** button (monaural). (Refer to the chart at left.)

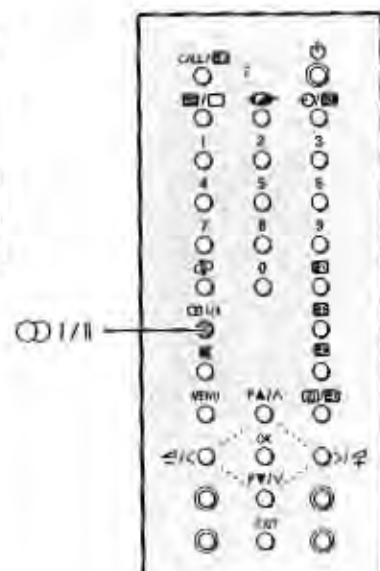
Bilingual programs:

1. When a bilingual program is received, **I / II** appears.



2. Press the **∞ I/II** to select the sound to be heard. **I**, **II** and **v** appear cyclically on the screen.

Display	Sound to be heard	
	NICAM	German stereo/bilingual broadcast
I	Sub I sound	Main sound
II	Sub II sound	Sub sound
v	Main sound	v: Not displayed

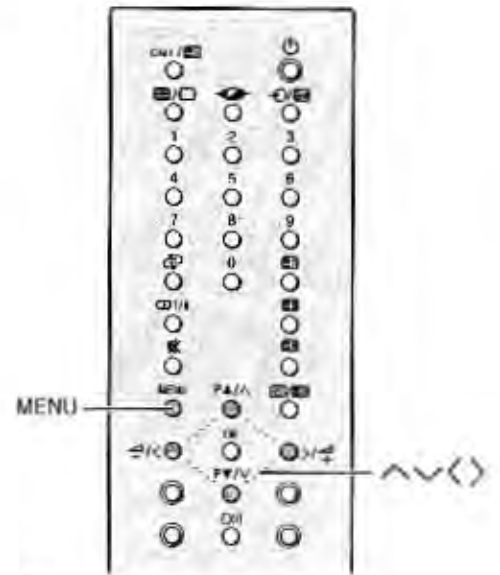
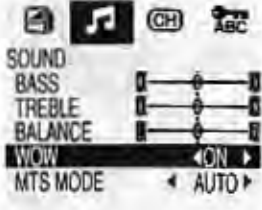


Using the WOW (sound effect) feature

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

To turn on the WOW feature:

1. Press **MENU**, and then press **<** or **>** to display the **SOUND** menu.
2. Press **^** or **v** to highlight **WOW** and then press **<** or **>** to select **ON** or **OFF**.



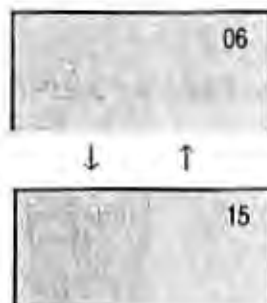
Note:

- WOW, SRS and  symbol are trademarks of SRS Labs, Inc.
- WOW technology is incorporated under license from SRS Labs, Inc.

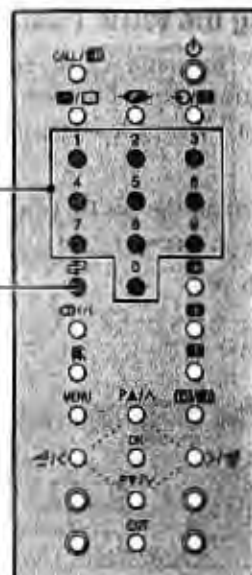
Switching between two program positions

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

1. Select the first program position you want to view.
2. Select a second program position with the Position Number buttons (0-9).
3. Press the  button. The previous channel will be displayed.



Position Number



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

Note:

The program position selection between different format channels takes several seconds.

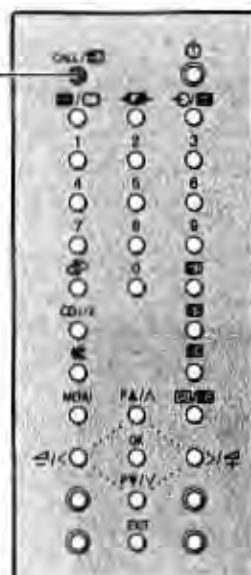
Displaying on-screen information

Press **CALL** to display the following information on-screen:

- Position number or External input mode selected
- Stereo or bilingual audio status



CALL



Viewing Teletext

This TV has a multi-page teletext memory, which takes a few moments to load and it offers two ways of viewing text-FAST and LIST which are explained on page 22.

Teletext mode

To select Teletext mode:

1. Press **MENU**, and then press < or > to display the FEATURE menu.
2. Press $\vee$ to highlight TEXT MODE.
3. Press < or > to select between FAST and LIST modes.

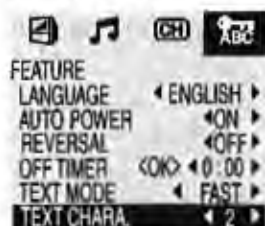


Character set for Teletext

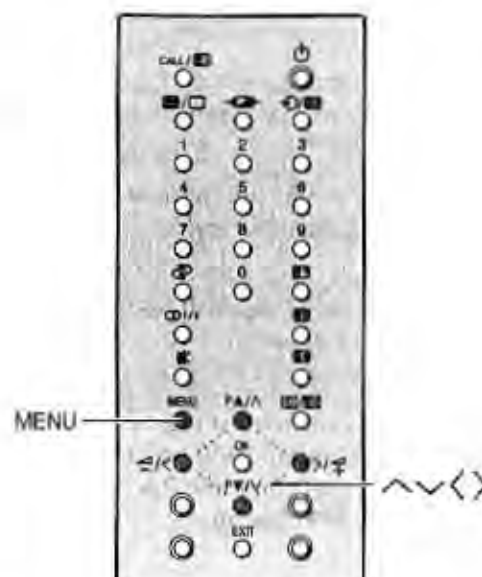
The Character 1 - 6 option enables the display of different alphabets when using Teletext.

To select character for Teletext:

1. Press **MENU**, and then press < or > repeatedly to display FEATURE menu.
2. Press $\wedge$ or $\vee$ to highlight TEXT CHARA.
3. Press < or > to select the required character.



CHARACTER-1	Western Europe
CHARACTER-2	Eastern Europe
CHARACTER-3	Russian (Cyrillic)
CHARACTER-4	Ukrainian (Cyrillic)
CHARACTER-5	Greek
CHARACTER-6	Arabic



Teletext General information

button:

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

When you first press the  button to access the text service, the first page you see will be the initial page.

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

In LIST mode, you will see whichever page number is currently stored on the R button.

To access any teletext page, enter the 3-digit page number, using the Number buttons (0-9) on the remote control. e.g. 420 or to advance to the next page, press the P▲ button, to go back to the previous page, press the P▼ button.

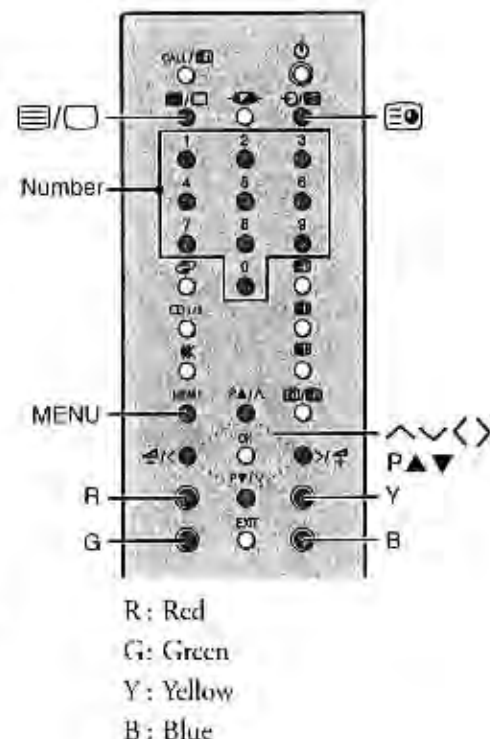
Sub-pages:

Once in this chosen page, if there are sub-pages they will automatically load into memory without changing the one you are reading. Arrows will appear alongside the page number, indicating sub-pages which have loaded to the left or right of the one on the screen. If there are many sub-pages, it will take a long time for them all to load and this will depend on the speed with which the broadcaster transmits them.

To access the sub-pages in memory, press the  (→) button, then use the < or > buttons to view them.

Whilst in sub-pages mode an indicator will show in the bottom left of the screen. After a short time of inactivity the indicator will disappear. To access the sub-pages again press the  (→) button.

These sub-pages will remain available to view until you choose another page or, in normal TV mode, you change channel.



Using FAST mode

There are two Modes: FAST will display FASTEXT, if available. LIST will display your four favourite pages. In either mode, as an alternative to the colored buttons you can access a page by entering a 3-digit number, using the buttons on the remote control, or to advance to the next page, press the P▲ (▲) button, to go back to the previous page press the P▼ (▼) button.

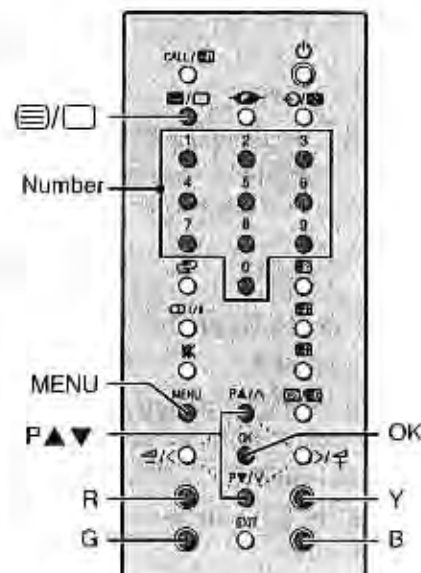
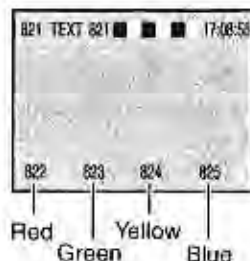
To change between Fast and List, see page 21.

Press the  button to access teletext.

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

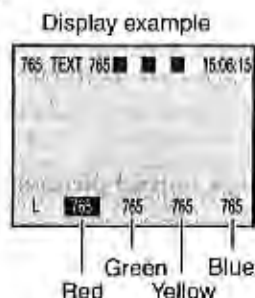
If FASTEXT is not available, you can access any page simply by entering a 3-digit page number or pressing the corresponding colored button.

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

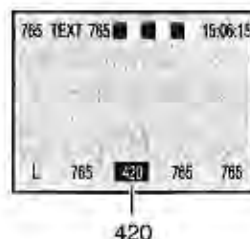


Using LIST mode

1. Press the  button to select TELETEXT.
2. You can program the set to hold your 4 favourite pages in memory. The first memory position will be highlighted in red.



3. Enter the 3 digit page number using the number buttons (0-9).
4. When the text page appears, press the Green button to select the next position.
5. Repeat steps 3 and 4 for each of desired 4 pages.
6. To store the 4 pages you set in memory, press the Red button once then press and hold the Red button until 4 pages flashes in white.
7. You can now select the desired page by pressing the corresponding colored button.



Teletext buttons on the remote control

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

1. To display a page of teletext:

Press the  button to display teletext. Press again to superimpose the teletext over a normal broadcast picture.

Press again to return to normal TV mode.

2. To display an index/initial page:

In Fast-mode

Press the  button to access the index page. The one displayed is dependant on the broadcaster.

In List-mode

Press the  button to return to your page currently stored on the Red button.

3. To reveal concealed text:

Some pages cover topics such as quizzes and jokes. To discover the solutions press the  button.

4. To hold a wanted page:

This feature is included as it is part of the broadcast teletext system but you will not need it as this TV allows you to control the display of sub-pages.

5. To enlarge the teletext display size:

Press the  button once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to the normal size.

6. To select a page whilst viewing a normal picture:

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

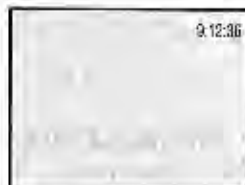
To display news flashes:

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). Press the  button.

The news flashes will be displayed as and when they are broadcast. Press the  button to cancel the display.

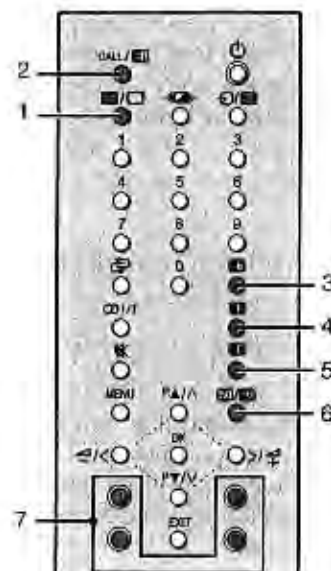
To select the time display:

If you press the  button whilst watching a normal TV broadcast, you will see a time display from the broadcaster. It will remain on the screen for about 5 seconds.



7. COLOR buttons:

To select button whose color corresponds to your desired topic in Fastext mode.



Note:

It will not be possible to change program position whilst in Teletext mode, you will have to cancel the teletext first by pressing the  button twice.

Appendix

Troubleshooting

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

Problem	Solution
TV will not turn on	- Make sure the power cord is plugged in, then press POWER (⏻ or ⏻). - The remote control batteries may be dead. Replace the batteries.
No picture, no sound	Check the antenna/cable connections.
No sound, picture OK	- The sound may be muted. Press  . - The station may have broadcast difficulties. Try another channel.
Poor sound, picture OK	The station may have broadcast difficulties. Try another channel.
Poor picture, sound OK	- Check the antenna connections. - The station may have broadcast difficulties. Try another channel. - Adjust the PICTURE menu.
Poor reception of broadcast channels	- The station may have broadcast difficulties. Try another channel. - Check the antenna connections.
Multiple images	- The station may have broadcast difficulties. Try another channel. - Use a highly directional outdoor antenna.
Poor color or no color	- The station may have broadcast difficulties. Try another channel. - Adjust the TINT and/or COLOR in the PICTURE menu.
The remote control does not operate	- There may be an obstruction between the remote control and the remote control sensor. - The remote control batteries may be dead. Replace the batteries.

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, etc.	PAL	B/G
	Indonesia, Malaysia, Singapore, Thailand, etc.		
	China, etc.	PAL	D/K
	China Hong Kong	PAL	I
	Iraq, Islamic Republic of Iran, Lebanon, Saudi Arabia, etc.	SECAM	B/G
	Russian Federation, etc.	SECAM	D/K
	Myanmar, etc.	NTSC	M
Oceania	Australia, New Zealand, etc.	PAL	B/G
Africa	Republic of South Africa, etc.	PAL	I

Note:

Refer to the Specifications table on the next page to find the receivable television systems for this TV.

WARNING:

Do not try to remove the cabinet back. Refer servicing to qualified service technicians.

To clean the TV screen:

1. Unplug the TV to avoid possible shock hazard.
2. Use a clean cellulose sponge or chamois cloth dampened with a solution of mild detergent and warm water to clean the TV screen and trim. Do not use too much water because water spills into the cabinet can cause damage to the TV.
3. Wipe off any excess moisture with a clean dry cloth.
4. Polish the cabinet with a quality furniture polish to maintain the finish and appearance of the cabinet.

Caution:

Never use strong solvents such as thinner, benzene, or other chemicals on or near the cabinet.

These chemicals can damage the finish of the cabinet.

Specifications

Color system

PAL/SECAM/NTSC4.43/NTSC3.58

Sound system

BG/I/DK/M

Channel coverage

System			VHF	UHF	Cable TV (Channels)
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

Power source

100V-240VAC 50/60 Hz.
DC16V (TV input)

Power consumption

14VL43C: 45W
20VL43C: 60W

Display

TFT Active Matrix LCD
VGA: 640(H) dots x 480(V) dots

Audio power

2.5W + 2.5W

Speaker type

45 mm round 2pcs.

Headphones jack

3.5 mm (Stereo-mini type), Impedance 8-32 ohm

Video/Audio Terminals

S-VIDEO INPUT

Y: 1 V(p-p), 75 ohm, negative sync.
C: 0.286 V(p-p) (burst signal), 75 ohm

VIDEO/AUDIO INPUT (1, 2)

VIDEO: 1 V(p-p), 75 ohm, negative sync.
AUDIO: 150 mV(rms) (Impedance 22k ohm or above)

Component video INPUT

Y: 1V(p-p), 75 ohm
Cb: 0.7 V(p-p), 75 ohm
Cr: 0.7 V(p-p), 75 ohm

AUDIO OUTPUT

150mv(rms)(Impedance 22k ohm or above)

Dimensions

14VL43C:	Width	358mm
	Height	416.5mm
	Depth	177mm
20VL43C:	Width	493mm
	Height	523mm
	Depth	198mm

Mass

14VL43C: 9.2lbs. (4.2kg)
20VL43C: 14.1lbs. (6.4kg)

Accessories

Remote control (CT-90166) with two batteries. (R03 size "AAA")

Power cord,

AC Adaptor (TAA-Y54)

(This AC adaptor can be only used for this LCD TV.

Do not use for other apparatus.)

This Owner's Manual

Design and specifications are subject to change without notice.

The LCD display panels are manufactured using an extremely high level of precision technology, however sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction. You can enjoy a video game with this TV. However, the game which uses a ray gun etc. and makes a screen a target has some which cannot be used on a principle.

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