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AV732*
LV732*
DIGITAL
Series

>ИНФОРМАЦИЯ

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ИНФОРМАЦИОННЫЙ ЦЕНТР TOSHIBA:

8000 КОЛ-КОФ
(БЕСПЛАТНЫЙ ДЛЯ РЕГИОНОВ РОССИИ)
ИЛИ ВЫЗОВ
(ДЛЯ ЖИТЕЛЕЙ МОСКВЫ)



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Safety Precautions

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

The Class I apparatus shall be connected to a mains socket outlet with a protective earthing connection.

Air Circulation

Leave more than 10cm clearance around the television to allow adequate ventilation. This will prevent overheating and possible damage to the television. Dusty places should also be avoided.

Heat Damage

Damage may occur if the television is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity. Place in a location where the temperature remains between 5°C (41°F) min. and 35°C (94°F) max.

Mains Supply

The mains supply required for this equipment is 220-240v AC 50/60Hz. Never connect to a DC supply or any other power source. DO ensure that the television is not standing on the mains lead. Use only the supplied lead.

DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is approved by ASTA or BSI to BS1362.

It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted.

IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Do

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels on equipment.

DO NOT REMOVE ANY FIXED COVERS AS THIS WILL EXPOSE DANGEROUS AND 'LIVE' PARTS.

THE MAINS PLUG IS USED AS A DISCONNECTING DEVICE AND THEREFORE SHOULD BE READILY OPERABLE.

Do not

DO NOT obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DO NOT allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DO NOT place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DO NOT use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturers' approved stand, bracket or legs with the fixings provided according to the instructions.

DO NOT leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off by withdrawing the plug, make sure your family know how to do this. Special arrangements may need to be made for people with disabilities.

DO NOT continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

WARNING – excessive sound pressure from ear-phones or headphones can cause hearing loss.

ABOVE ALL – NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the case.

NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.

Installation and important information

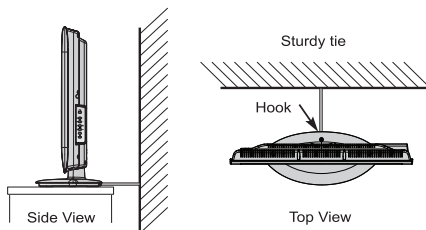
Where to install

Locate the television away from direct sunlight and strong lights, soft, indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen. Place the TV set on a stable, level surface that can support the weight of the TV.

As an additional safety measure you can secure the TV to the level surface or a wall, as shown in the illustration, using a sturdy strap.

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. Make sure the television is located in a position where it cannot be pushed or hit by objects, as pressure will break or damage the screen, and that small items cannot be inserted into slots or openings in the case.

Wall mounting of the TV should only be performed by qualified servicing personnel. Use only with the wall mount bracket specified by the manufacturer.



Please take note




EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

- i) fire;
- ii) earthquake;
- iii) accidental damage;
- iv) intentional misuse of the product;
- v) use of the product in improper conditions;
- vi) loss and/or damage caused to the product while in the possession of a third party;
- vii) any damage or loss caused as a result of the owner's failure and/or neglect to follow the instructions set out in the owner's manual;
- viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

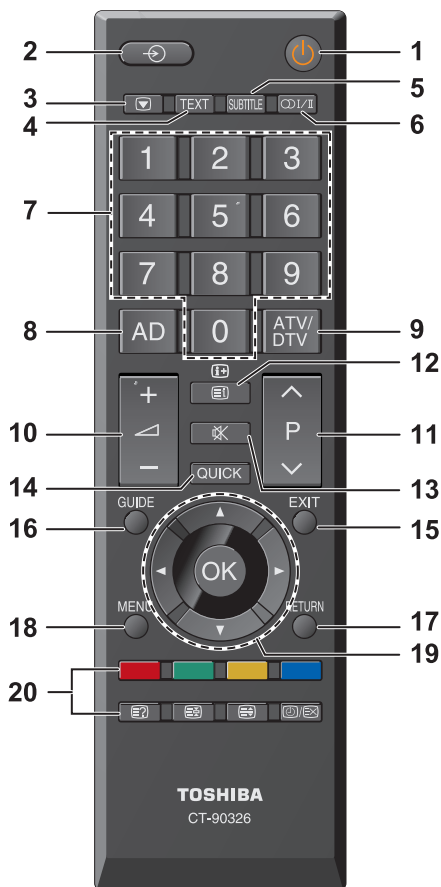
Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

- If stationary images generated by 4:3 broadcasts, text services, channel identification logos, computer displays, video games, on-screen menus, etc. are left on the television-screen for any length of time they could become conspicuous, it is always advisable to reduce both the brightness and contrast settings.
- Very long, continuous use of the 4:3 picture on a 16:9 screen may result in some retention of the image at the 4:3 outlines, this is not a defect of the LCD TV and is not covered under the manufacturer's warranty. Regular use of other size modes (e.g.: Superlive) will prevent permanent retention.

SYMBOL	SYMBOL DEFINITION
	DANGEROUS VOLTAGE: The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-insulated "DANGEROUS VOLTAGE" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
	INSTRUCTIONS: The exclamation point within an equilateral triangle to alert the user to the presence of important operating and maintenance (servicing) instruction in the literature accompanying the appliance.
	WARNING: To prevent the spread of fire, keep candles or other open flames away from this product at all times.

The Remote Control

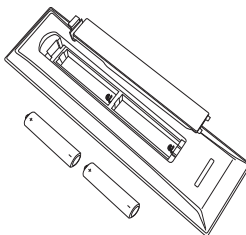
Simple at-a-glance reference of your remote control.



- 1 Toggle between TV ON or Standby
- 2 Toggle between external input sources
- 3 Still Picture
- 4 To display the teletext screen
- 5 TEXT subtitle pages if available
- 6 Stereo/Bilingual transmissions
- 7 Number buttons
- 8 Audio Description
- 9 Switch among ATV/DTV/Data/Radio
- 10 Change the volume
- 11 Change the channel

- 12 In TV mode: Display on-screen information
In Text mode: Access the index page
- 13 Mute the sound
- 14 Display the QUICK access menu
- 15 Exit the menu system
- 16 Display EPG
- 17 Go to the previous level of the menu
- 18 Display the on-screen menu
- 19 Menu navigation: ▲, ▼, ◀, ▶:
In Text mode: Change the page
⊙ Confirm the selection
- 20 Colour button: Text control buttons
⊞ Reveal concealed text
⊞ Hold a wanted page
⊞ Enlarge text display size
⊞ Select a page while viewing a normal picture

Inserting batteries and effective range of the remote



Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the right way round. Suitable battery types for this remote are AAA, 1.5V.

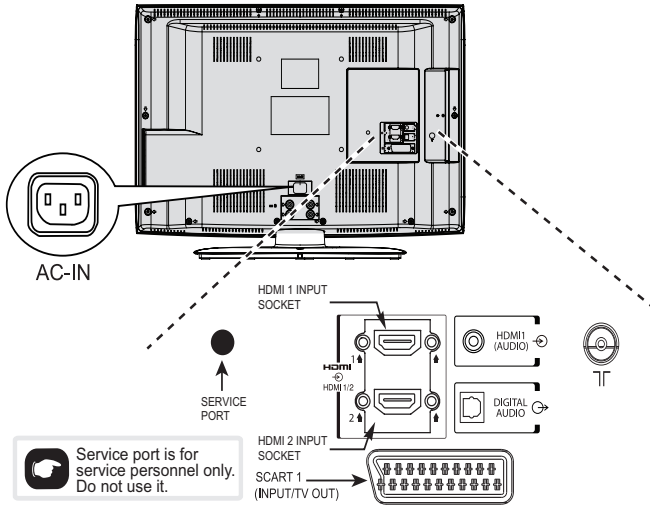
Do not combine a used, old battery with a new one or mix battery types. Remove dead batteries immediately to prevent acid from leaking into the battery compartment. Dispose of them in accordance with instructions on page 14 of this manual. Warning: batteries must not be exposed to excessive heat such as sunlight or fire.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the television. If the operating range becomes reduced the batteries may need replacing.

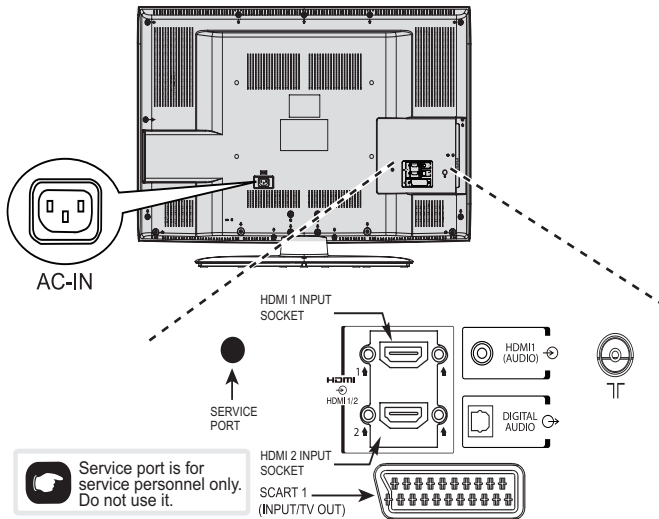
Connecting External Equipment

Before connecting any external equipment, turn off all main power switches. If there is no switch remove the mains plug from the wall socket.


Connect the power cord into the AC-IN socket found at the back of the TV.



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Aerial cables: ----- 

Connect the aerial to the ANT socket on the rear of the television.


If you use a decoder and/or media recorder, connect through the decoder and/or media recorder to the television.

The phono sockets alongside the VIDEO INPUT socket will accept L and R audio signals. These sockets are located on the side of the TV.

HDMI® (High-Definition Multimedia Interface) is for use with a DVD, decoder or electrical equipment with digital audio and video output. It is designed for best performance with 1080i high-definition video signals but will also accept and display 480i, 480p, 576i, 576p, 720p and 1080p. HDMI1 also support VGA, SVGA, XGA, WXGA and SXGA.

Note: *Although this television is able to connect to HDMI equipment it is possible that some equipment may not operate correctly.*

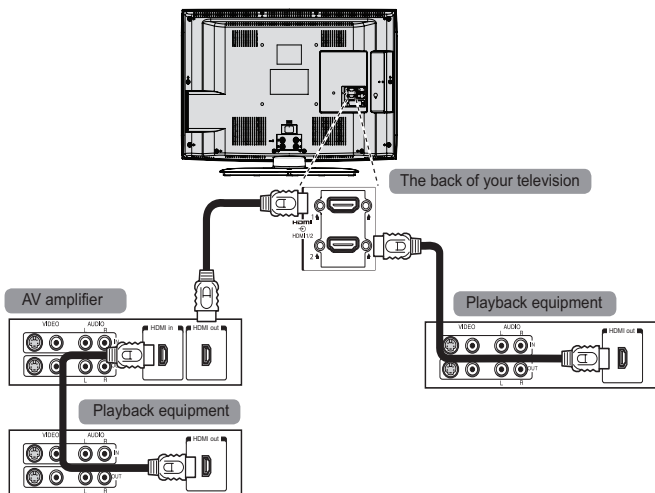
A wide variety of external equipment can be connected to the back of the television, therefore the relevant owners manuals for all additional equipment must be referred to.

If the television automatically switches over to monitor external equipment, return to normal television by pressing the desired channel button. To recall external equipment, press  to select.

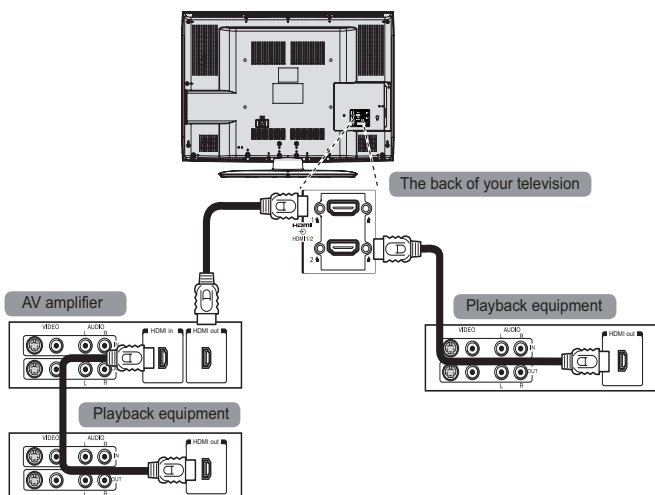
HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

REGZA-LINK Connections

The basic functions of connected audio/video equipment can be controlled using the television's remote control if a REGZA-LINK compatible device is connected.



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Connecting an HDMI or DVI device to the HDMI input

The HDMI input on your television receives digital audio and uncompressed digital video from an HDMI source device or uncompressed digital video from a DVI (Digital Visual Interface) source device. This input is designed to accept HDCP (High-Bandwidth Digital-Content Protection) programme material in digital form from EIA/CEA-861-D-compliant [1] consumer electronic devices (such as a set-top box or DVD player with HDMI or DVI output). For acceptable video signal formats, see page 14.

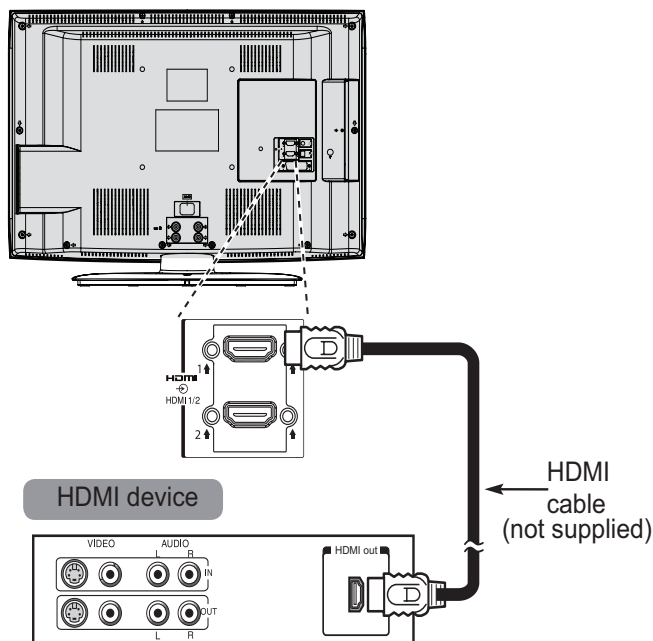
Note:

- Some early HDMI equipment may not work properly with your latest HDMI TV, due to the adoption of a new standard.
- Supported Audio format: Linear PCM, sampling rate 32/44.1/48kHz.

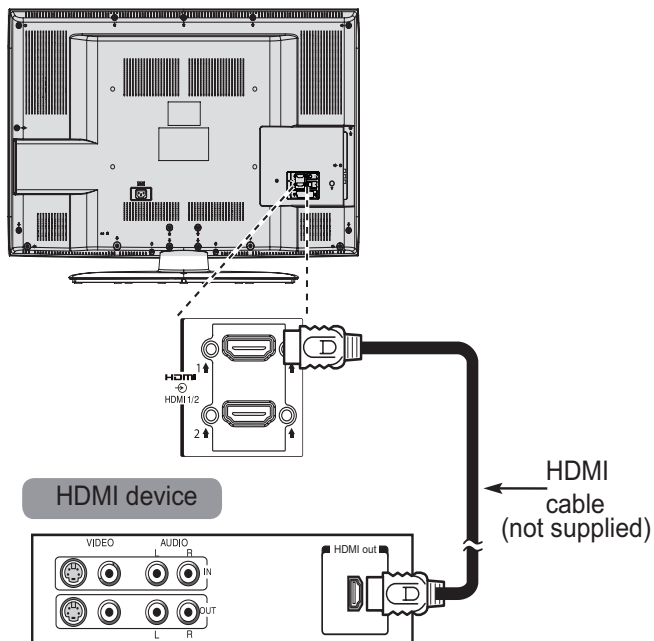
To connect an HDMI device

Connect an HDMI cable (type A connector) from the device to the HDMI terminal. For proper operation, it is recommended that you use an HDMI cable with the HDMI Logo (**HDMI**).


- If your HDMI connection is capable of 1080p and/or your television is capable of refresh rates greater than 50Hz, you will need a Category 2 cable. Conventional HDMI/DVI cable may not work properly with this mode.
- HDMI cable transfers both video and audio. Separate analogue audio cables are not required (see illustration).



For 32AV732**/32LV732**



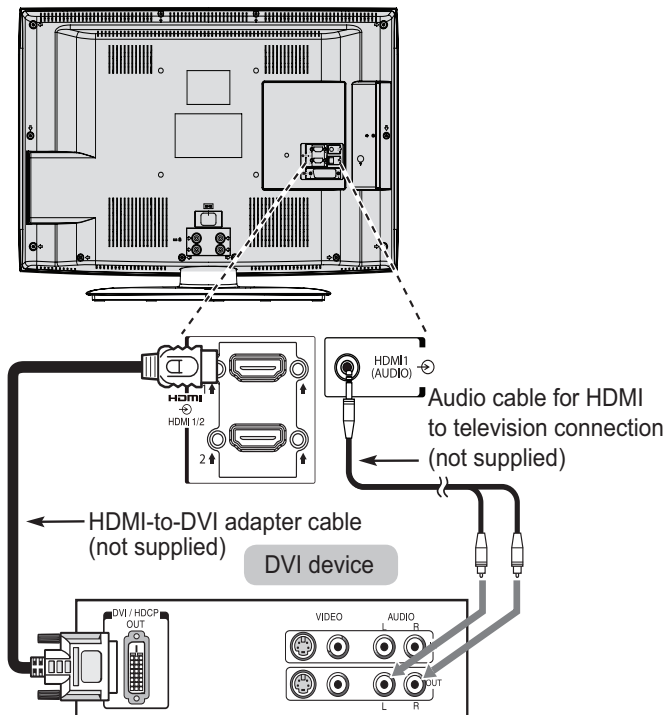
For 40LV732**

To view the HDMI device video, press the  button to select HDMI 1 or HDMI 2 mode.

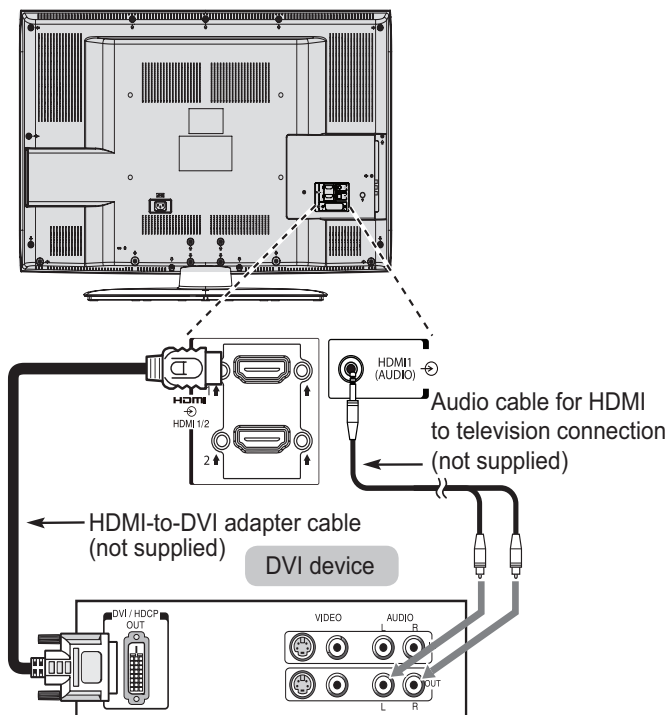
To connect a DVI device

Connect an HDMI-to-DVI adapter cable (HDMI type A connector) to the HDMI 1 terminal and audio cables to the PC/HDMI1 (AUDIO) socket (see illustration).

- The recommended HDMI-to-DVI adapter cable length is 6.6ft (2m).
- An HDMI-to-DVI adapter cable transfers video only.
- Separate analogue audio cables are required for audio receivers.



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To ensure that the HDMI or DVI device is reset properly, it is recommended that you follow these procedures:

- When turning on your electronic components, turn on the television first, and then the HDMI or DVI device.
- When turning off your electronic components, turn off the HDMI or DVI device first, and then the television.

[1] EIA/CEA-861-D compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the television.

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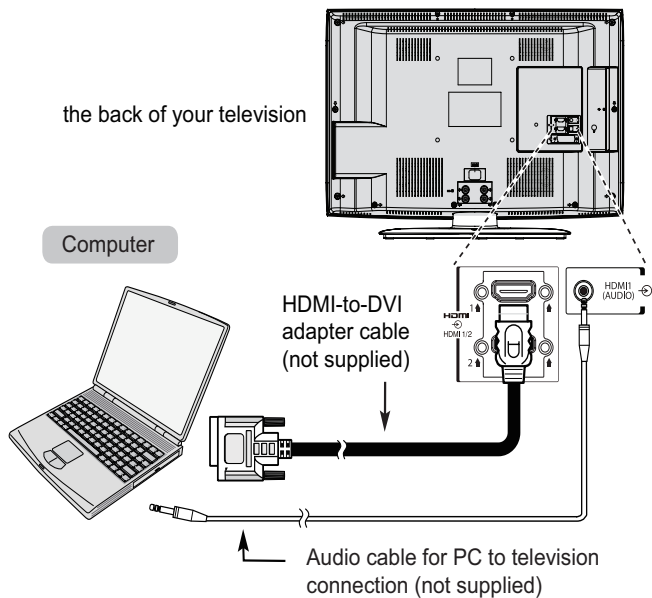
Connecting a Computer

With either an RGB/PC or an HDMI connection, you can watch your computer's display on the television and hear the sound from the television's speakers.

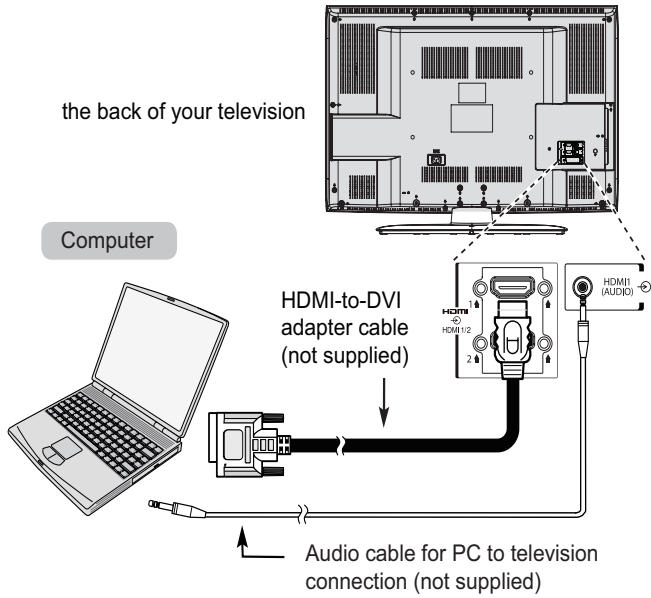
To connect a PC to the HDMI terminal

When connecting a PC to the HDMI terminal on the television, use an HDMI-to-DVI adapter cable and an analogue audio cable.

If connecting a PC with an HDMI terminal, use an HDMI cable (type A connector). A separate analogue cable is not necessary.



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For acceptable PC and video signal formats, see page 14.

Note:

- The edges of the images may be hidden.
- If connecting a certain PC model with a unique PC signal, the PC signal may not be detected correctly.

Acceptable Video signals through HDMI terminals

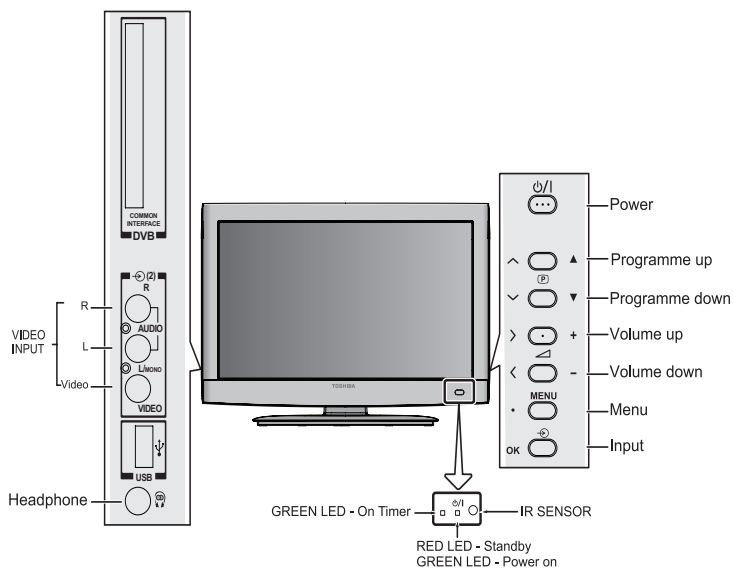
Resolution	H. Frequency (Hz)	V. Frequency (Hz)
480i	15.734	60.000
480p	31.500	60.000
576i	15.625	50.000
576p	31.250	50.000
720p	37.500	50.000
720p	45.000	60.000
1080i	28.125	50.000
1080i	33.750	60.000
1080p	27.000	24.000
1080p	28.125	25.000
1080p	33.750	30.000
1080p	56.250	50.000
1080p	67.500	60.000

Acceptable PC signals through HDMI terminals

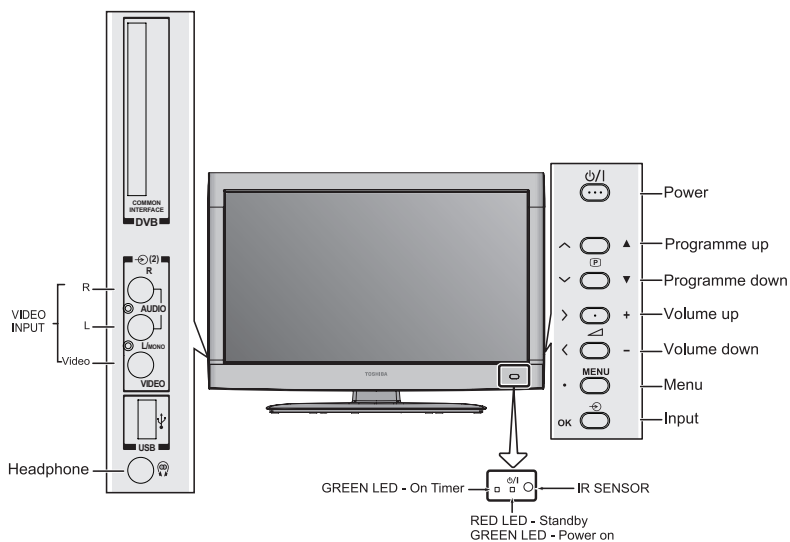
Resolution	H (KHz)	V(Hz)	Pixel Clock (MHz)	H-Polarity	V-Polarity	H-Total	V-Total
640 x 480	31.369	59.940	25.175	Negative	Negative	800	525
640 x 480	37.861	72.809	31.500	Negative	Negative	832	520
640 x 480	37.500	75.000	31.500	Negative	Negative	840	500
800 x 600	35.160	56.250	36.000	Positive	Positive	1024	625
800 x 600	37.879	60.317	40.000	Positive	Positive	1056	628
800 x 600	48.077	72.188	50.000	Positive	Positive	1040	666
800 x 600	46.875	75.000	49.500	Positive	Positive	1056	625
1024 x 768	48.363	60.004	65.000	Negative	Negative	1344	806
1024 x 768	57.670	72.000	78.430	Negative	Positive	1360	801
1024 x 768	60.023	75.029	78.750	Positive	Positive	1312	800
1280 x 768	47.776	59.870	79.500	Negative	Positive	1664	798
1360 x 768	47.712	60.015	85.500	Positive	Positive	1792	795
1280 x 1024	63.981	60.020	108.000	Positive	Positive	1688	1066
1280 x 1024	79.976	75.025	135.000	Positive	Positive	1688	1066

Using the Controls

While all the necessary adjustments and controls for the television are made using the remote control, the buttons on the television may be used for some functions.






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Switching On





If the RED LED is unlit check that the plug is connected to the power supply. If the picture does not appear press  on the remote control, it may take a few moments.

To put the television into Standby press  on the remote control. To view the television press  again. The picture may take a few seconds to appear.

Using the Remote Control

To set up the television you will now need to use the on screen menus. Press **MENU** on the remote control to see the menus.



The on-screen menu appears as a list of five topics. As each symbol is selected by pressing  or  on the navigation ring on the remote control, its respective options will appear right side.

To use the options, press  to enter the sub menu. Then press  or  on the navigation ring to move up and down through them and use  or to select the required choice. Follow the on-screen instructions. The functions of each menu are described in detail throughout the manual.

Using the Side-Key Controls

To change the volume, press  .

To alter the channel, press  **P** .

Press **MENU** and , ,  or  to control the sound and picture options.

Press **MENU** to finish.

To select an external input, press  and then use  or  to move through the list until the appropriate input source is selected.

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

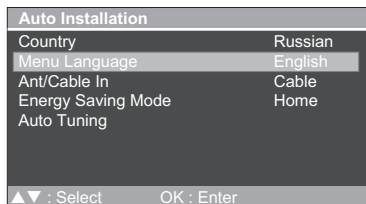
Please note: Inserting the headphone plug will mute the sound from all speakers.

Getting Started

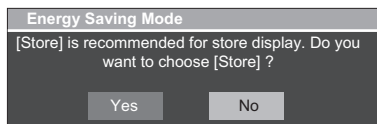
Make sure to connect the aerial cable, and select TV as the input source.
To set up the television use the buttons on the remote control as detailed on page 4.

Auto Installation

- For first use, plug in the television and press the **⏻** button.
The **Auto Installation** screen will appear.



- Press **▲** or **▼** to select **Menu Language** and then press **◀** or **▶** to select your language (English or Russian).
- Press **▲** or **▼** to select **Ant/Cable In** and then press **◀** or **▶** to select **Ant** or **Cable In**.
- Press **▲** or **▼** to select **Energy Saving Mode** and then press **◀** or **▶** to select **Home** or **Store**.
When selecting **Store**, the **Energy Saving Mode** screen will appear.

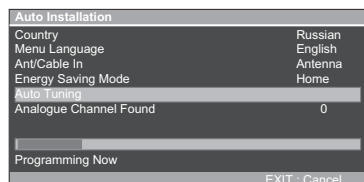


Press **◀** or **▶** to select **Yes** or **No** and then press **⊙**.

- Press **▲** or **▼** to select **Auto Tuning** and then press **⊙**.

Note: Please make sure the aerial is connected to the TV before tuning.

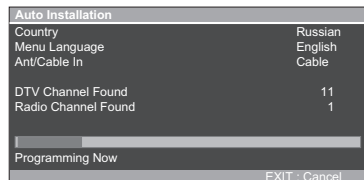
- To start **Auto Tuning**, press **⊙**.



The search will begin for all available stations.
The slide bar will move along the line as the search progresses.

Note: You must allow the television to complete the search.

When the search is complete for Analogue TV mode, the television will automatically start the tuning for Digital TV mode.



When the search is complete, the television will automatically select channel 1. This may not be a clear picture or the signal may be weak, so the station order can be changed using **Channel Allocation in Setup** menu.

Setting the Channels

Note: When **Parental Block** is activated, the 4-digit password is needed to enter **Channel Allocation** under **Setup** menu.

Auto Tuning

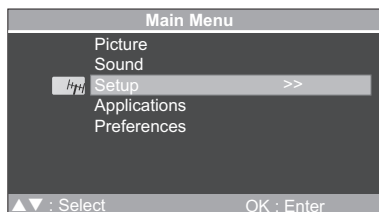
The **Auto Tuning** will completely re-tune the television and can be used to update the channel list.

Note: It is recommended that **Auto Tuning** is run periodically to ensure that all new services are added.

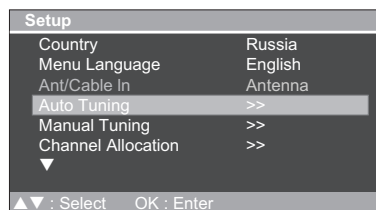
Note: All the current channels and settings, for example, the locked channels, will be lost.

ATV mode

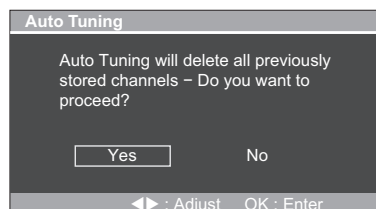
- 1 Press **MENU** and press **▲** or **▼** to select **Setup** and press **▶** to enter the sub-menu.



- 2 Press **▲** or **▼** to select **Auto Tuning**.

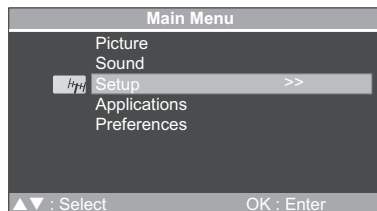


- 3 Press **◀** or **▶** to select **Yes** and then press **OK** to start **Auto Tuning**.

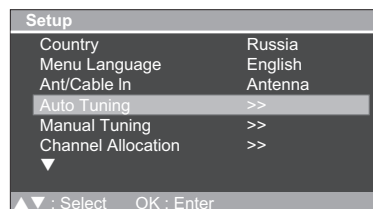


DVB-T mode

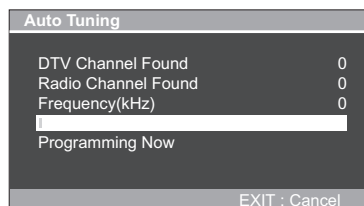
- 1 Press **MENU** and press **▲** or **▼** to select **Setup** and press **▶** to enter the sub-menu.



- 2 Press **▲** or **▼** to select **Auto Tuning**.

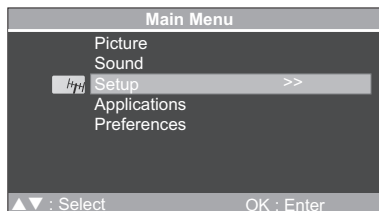


- 3 Press **▶** to start **Auto Tuning**.

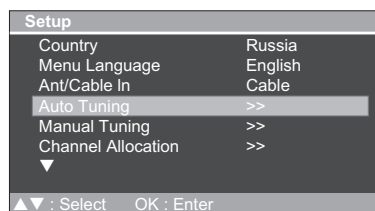


DVB-C mode

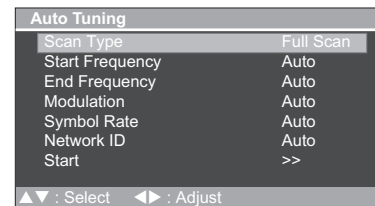
- 1 Press **MENU** and press ▲ or ▼ to select **Setup** and press ► to enter the submenu.



- 2 Press ▲ or ▼ to select **Auto Tuning**.



- 3 Press ► to enter the **Auto Tuning** submenu.



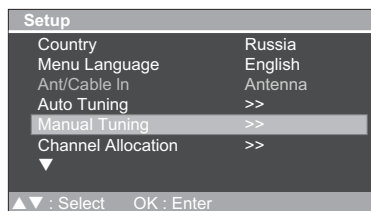
- 4 Press ▲ or ▼ to select **Scan Type** and press ◀ or ▶ to select **Full Scan** or **Quick Scan**.
- 5 Press ▲ or ▼ to select **Start Frequency**, **End Frequency**, **Modulation**, **Symbol Rate** or **Network ID** to define the information or select Auto for tuning.
Note: The information should be given by your cable provider.
- 6 Press ▲ or ▼ to select **Start** and press ► to start **Auto Tuning**.

Manual Tuning

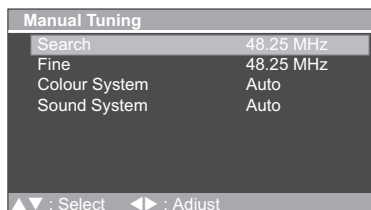
There are three TV modes: ATV, DVB-T and DVB-C that can be tuned-in manually using **Manual Tuning**.

ATV mode

- 1 Press **MENU** and press ▲ or ▼ to select **Setup** and press ► to enter the submenu.
- 2 Press ▲ or ▼ to select **Manual Tuning** and press ► to enter the submenu.



- 3 Press ▲ or ▼ to select **Search** and press ◀ to decrease and ▶ to increase the frequency.



When the reception is poor, you can use **Fine** to do the fine tuning.

- 4 Press ▲ or ▼ to select **Fine** and press ◀ to decrease and ▶ to increase the frequency.
- 5 Press ▲ or ▼ to select **Colour System** and press ◀ or ▶ to choose from **Auto**, **PAL** or **SECAM**.
- 6 Press ▲ or ▼ to select **Sound System** and press ◀ or ▶ to choose from **Auto**, **B/G**, **I**, **D/K** or **L/L'**.

DVB-T mode

- 1 Press **MENU** and press ▲ or ▼ to select **Setup** and press ► to enter the submenu.
- 2 Press ▲ or ▼ to select **Manual Tuning** and press ► to enter the submenu.

Setup	
Country	Russia
Menu Language	English
Ant/Cable In	Antenna
Auto Tuning	>>
Manual Tuning	>>
Channel Allocation	>>
▼	
▲▼ : Select OK : Enter	

- 3 Press ▲ or ▼ to select **Channel List** and press **OK** to view the channel list.

Manual Tuning	
Channel List	Ch-21
Frequency(kHz)	474000
▲▼ : Select ◀▶ : Adjust OK : Enter	

Note: The **Channel List** can be accessed anytime by pressing **OK** on the remote.

- 4 Press ◀ to decrease and ▶ to increase the channel number to select the desired channel for scanning.
- 5 Press ▲ or ▼ to select **Frequency(kHz)**. Use the number key pad on the remote to enter the desired frequency.

Note: The frequency information should be given by your system provider.

DVB-C mode

- 1 Press **MENU** and press ▲ or ▼ to select **Setup** and press ► to enter the submenu.
- 2 Press ▲ or ▼ to select **Manual Tuning** and press ► to enter the submenu.

Setup	
Country	Russia
Menu Language	English
Ant/Cable In	Antenna
Auto Tuning	>>
Manual Tuning	>>
Channel Allocation	>>
▼	
▲▼ : Select OK : Enter	

- 3 Press ▲ or ▼ to select **Frequency(kHz)**. Use the number key pad on the remote to enter the desired frequency.

Manual Tuning	
Frequency(kHz)	314000
Symbol Rate	6956
Modulation	256 QAM
▲▼ : Select [0-9] : Select OK : Enter	

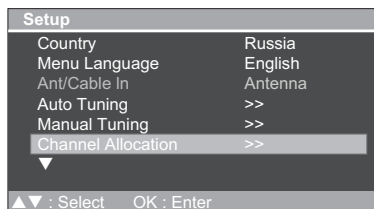
- 4 Press ▲ or ▼ to select **Symbol Rate**. Use the number key pad on the remote to enter the desired rate.
- 5 Press ▲ or ▼ to select **Modulation** and press ◀ or ▶ to adjust the modulating waveform.

Note: The frequency, symbol rate and modulation information should be given by your cable provider.

Channel Allocation

The **Channel Allocation** menu helps you manage the channels such as **Sort**, **Erase Channel**, **Lock**, **Skip**, and **Channel Label**.

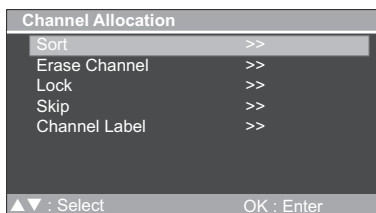
In the **Setup** menu, press **▲** or **▼** to select **Channel Allocation** and press **▶** to enter the submenu.



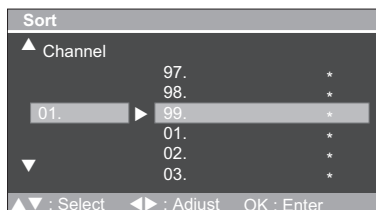
Sort

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

- In the **Channel Allocation** menu, press **▲** or **▼** to select **Sort** and press **▶** to enter the submenu.



- Press **▲** or **▼** to select the first channel you want for sorting and then press **⊗** or **◀** to mark it. Press **▲** or **▼** again to select the second channel and then press **⊗** or **▶** to swap their positions.



Erase

Erase the channels from the channel list.

Note: You can re-obtain the erased channels using **Auto Tuning** or **Manual Tuning**.

- In the **Channel Allocation** menu, press **▲** or **▼** to select **Erase Channel** and press **▶** to enter the submenu.
- Press **▲** or **▼** to select the channel you want for erasing and then press **⊗** to erase it.

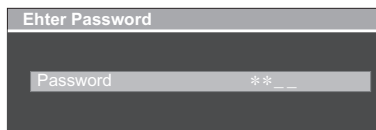
Lock

This function blocks channels that you do not want to watch or that you do not want your children to watch.

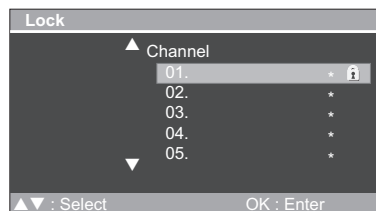
A password is required to access this function.

Note: The factory default password is "0000".

- In the **Channel Allocation** menu, press **▲** or **▼** to select **Lock** and press **▶** to enter the submenu.
- Press **▲** or **▼** to select the channel you want for locking and then press **⊗**.
- Enter the 4-digit password.



- A lock symbol appears when the channel is locked.



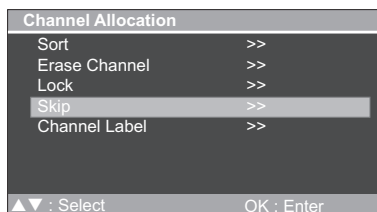
- Press **▲** or **▼** to select the channel that you want to disable **Lock** and then press **⊗**.
- Enter the 4-digit password to unlock the channel.

Skip

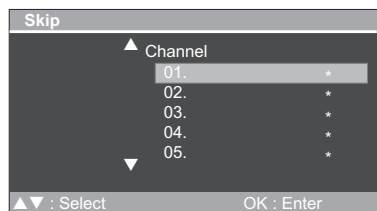
To prevent certain channels from being viewed, the channel position can be skipped.

The remote control must be removed as the channels will still be available using the number buttons. Channels can then be watched as normal using the controls on the television, but the television will not show the skipped channel position.

- 1 In the **Channel Allocation** menu, press **▲** or **▼** to select **Skip** and press **▶** to enter the submenu.



- 2 Press **▲** or **▼** to select the channels you want to skip and then press **⊙** to set.



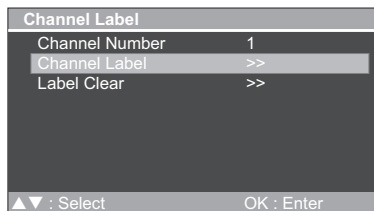
The skipped channel positions cannot be selected by pressing **P ▲** or **P ▼** or by the controls on the television, but can still be accessed by the number buttons on the remote control.

Channel Label

Edit the channel name.

- 1 In the **Channel Allocation** menu, press **▲** or **▼** to select **Sort** and press **▶** to enter the submenu.
Select the channel you want to edit and then press **RETURN** on the remote control back to the **Channel Allocation** menu.
- 2 Press **▲** or **▼** to select **Channel Label** and press **▶** to enter the submenu.

- 3 Press **▲** or **▼** to select **Channel Label** and press **▶** to enter the submenu.



- 4 Press **▲** or **▼** to enter a character or number for every digit and then press **⊙**.



- 5 Press **▲** or **▼** to select **Channel Clear** and press **▶** to clear the label.

Displaying the On-screen Information

- 1 Press **I+** (**⊞**) to display the following on-screen information.



The information will disappear in about 5 seconds.

- Position or external input mode selected
 - This channel is locked.
 - This channel supports teletext.
 - This channel supports subtitle.
 - This is a scrambled channel.
 - This channel supports Dolby-AC3.
 - Mono/ Stereo/ Dual audio status
 - Label (if set)
 - Show duration
 - Time/ Date
 - Show rating information
- 2 To erase the display instantly, press **EXIT**.

Common Interface

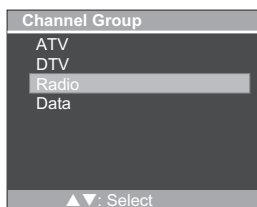
This function enables you to watch some pay services (encrypted services). When the module is inserted into the CI slot, you can access the module menu. To purchase a module and smart card, contact your dealer. Common Interface functions may not be possible depending upon the country broadcasting circumstances.

- 1 Press **MENU** and press **▲** or **▼** to select **Applications**.
- 2 Press **▲** or **▼** to select the first channel you want for sorting and then press **OK** to mark it. Press **▲** or **▼** again to select the second channel and then press **OK** to swap their
Press **▼** to select **Common Interface** and press **▶** or **OK**.
- 3 Press **OK** to select the CI card to view the Module information.

Channel Group

The TV has four channel groups: ATV, DTV, Radio and Data.

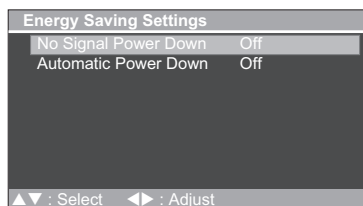
Press the **ATV/DTV** button on the remote and press **▲** or **▼** to switch among the groups.



Automatic Power Down

The TV will automatically turn itself off (standby) after approximately 4 hours, if you do not touch the control buttons on the remote control or on the TV control panel. It will also automatically turn off if no input signal is detected after approximately 10 minutes.

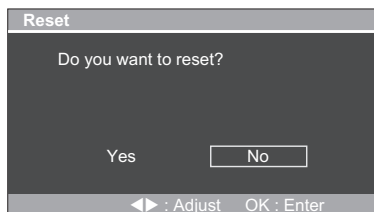
- 1 In the **Setup** menu, press **▼** to highlight **Energy Saving Settings** and press **▶** to enter.
- 2 Press **▲** or **▼** to select **No Signal Power Down** or **Automatic Power Down** and press **◀** or **▶** to select **On** or **Off**.



Reset TV

Selecting **Reset** will reset all TV settings to their original factory values.

- 1 In the **Setup** menu, press **▼** to highlight **Reset** and press **▶** to enter.
- 2 Select **Yes** to confirm or select **No** to exit.



General Controls

The General Controls will allow you to select channels and information, use the sound controls, personalise the picture style, and select external equipment.

Selecting Channels

To select a channel use the numbered buttons on the remote control.

Channels can also be selected using **P** \wedge and **P** \vee .

To display on-screen information such as position, input mode or stereo/mono signal, press **(+)** **(=)**. Press again to cancel.

Stereo and Bilingual Transmissions

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

Stereo: Press **(O)** **I/II** to select **Stereo** or **Mono**.

Bilingual: If a bilingual program is offered and NICAM setting is ON, the word **Dual** will display on screen. To change between languages, press **(O)** **I/II** to switch between **Dual 1** and **Dual 2**.

Note:

Please use the NICAM function in Sound Menu to switch **On** or **Off**.

Quick Access Menu

Quick Access helps you access some options quickly, such as **Picture Mode**, **Picture Size**, **Sleep Timer**, **REGZA-LINK** and **Media Player**.

Press **QUICK** to display the **Quick Access** menu and press \blacktriangle or \blacktriangledown to select the option.

Quick Access	
Picture Mode	User
Picture Size	4:3
Sleep Timer	Off
REGZA-LINK	>>
Media Player	>>
\blacktriangle \blacktriangledown : Select \blacktriangleleft \blacktriangleright : Adjust	

Subtitles

If Subtitles are available for your current programme, pressing the **SUBTITLE** button will toggle Subtitles on or off.

Time Display

The time display facility allows the current (text service) time to be seen on the television screen.

Press **(O)** **(=)** on the remote control while watching a normal television broadcast to see the time display from the broadcaster. It will remain on screen for about 5 seconds.

Sound Controls

Volume Controls and Mute Sound

Volume

Press or to adjust the volume.

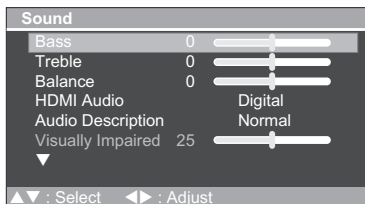
Sound Mute

Press on the remote once to turn the sound off and again to cancel.

Bass, Treble and Balance

The sound controls are accessible in digital and analogue modes.

- 1 Press **MENU** and **▲** or **▼** to select **Sound**.
- 2 Press **▲** or **▼** to select **Bass**, **Treble** or **Balance** and **◀** or **▶** to change the setting.



HDMI Audio

If the connected HDMI source does not support digital audio, plug the audio cable into HDMI 1 (AUDIO) on the back of the television (as shown in the “Connecting an HDMI or DVI device to the HDMI input” section), then use the HDMI Audio setting.

- 1 Press **MENU** and **▲** or **▼** to select **HDMI Audio**.
- 2 Press **◀** or **▶** to select **Digital** or **Analogue**.

Audio Description

Audio Description is an additional narration describing on-screen action, body language, expressions and movements for people with visual disabilities while watching the TV. This function enables you to choose the type of narrations.

- 1 Press **MENU** and **▲** or **▼** to select **Sound**.
- 2 Press **▲** or **▼** to select **Audio Description** and **◀** or **▶** to select **Normal**, **Hard of Hearing**, and **Visually Impaired**.

Note: Press the **AD** button on the remote control to switch the Audio Description **On** or **Off**.

- **Hard of Hearing:** This function provides narration to deaf and hard of hearing viewers.
- **Visually Impaired:** This function provides descriptive narration of key visual elements, making television programmes, feature films, home video and other visual media accessible to people who are visually impaired or blind.

Visually Impaired

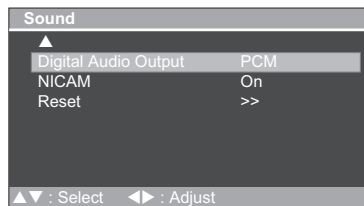
When the **Audio Description** is set to **Visually Impaired**, you can adjust the volume of the **Audio Description**.

- 1 Press **MENU** and **◀** or **▶** to select **Sound**.
- 2 Press **▲** or **▼** to select **Visually Impaired** and **◀** or **▶** to change the setting.

Digital Audio Output

The TV sends digital audio signal to the external audio system. The options are **Off**, **Bitstream** or **PCM**.

- 1 Press **MENU** and **◀** or **▶** to select **Sound**.



- 2 Press **▲** or **▼** to select **Digital Audio Output** and **◀** or **▶** to change the setting.

NICAM Audio

NICAM (Near Instantaneous Companded Audio Multiplex) enhances the sound quality.

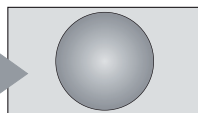
- 1 Press **MENU** and **◀** or **▶** to select **NICAM**.
- 2 Press **◀** or **▶** to select **On** or **Off**.

Widescreen viewing

Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats.

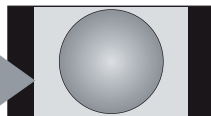
Wide

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.) black bars may be visible on the top and bottom of the screen.



4:3

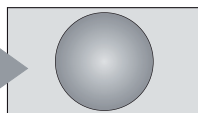
Use this setting to view a true 4:3 broadcast.



Native

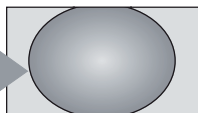
When using a PC connected via HDMI this setting will show the picture without over scan, i.e. WYSIWYG.

This option is only available when watching video signal source via HDMI.



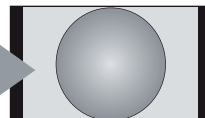
Cinema

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



14:9

Use this setting when watching a 14:9 broadcast.



Auto

Automatically use the source format.

Press **QUICK** to display the **QUICK Access** menu. Use **▲** or **▼** to highlight the **Picture Size**, and press **◀** or **▶** to select the option.

Quick Access	
Picture Mode	User
Picture Size	4:3
Sleep Timer	Off
REGZA-LINK	>>
Media Player	>>
▲▼ : Select ◀▶ : Adjust	

You can choose the picture size from **Wide**, **4:3**, **Native**, **Cinema**, **14:9** or **Auto**.

Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.

Available Picture Size and Position Control

	Wide	4:3	Native	Cinema	14:9	Auto
ATV	o	o	x	o	o	o
DTV	o	o	x	o	o	o
AV1 (SCART)	o	o	x	o	o	o
AV2 (CVBS)	o	o	x	o	o	x
HDMI	o	o	o	o	o	o
DVI	o	x	o	x	x	x

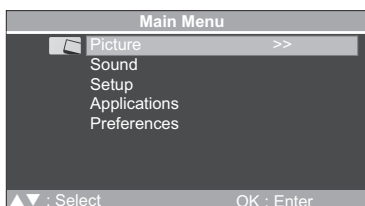
Picture Controls

Most of the picture controls and functions are available in both **digital** and **analogue** modes.

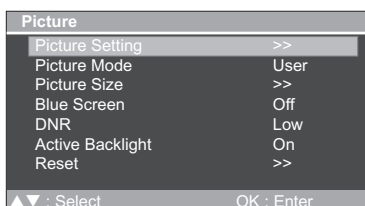
Note: Features not available will be greyed out.

Picture Setting

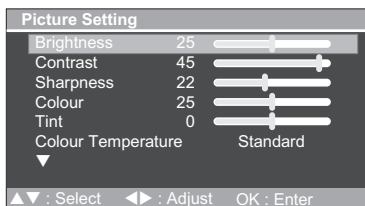
- 1 Press **MENU** and press **▲** or **▼** to select **Picture** and press **▶** to enter the sub-menu.



- 2 Press **▲** or **▼** to select **Picture Setting** and press **▶** to enter the submenu.



- 3 Press **▲** or **▼** to select **Brightness**, **Contrast**, **Sharpness**, **Colour** or **Tint**.



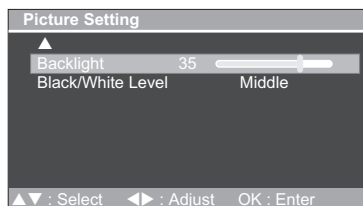
- 4 Press **◀** or **▶** to suit your preference.

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

- 5 Press **▲** or **▼** to select **Colour Temperature**.
- 6 Press **◀** or **▶** to select **Standard**, **Cool** or **Warm** to suit your preference.

Adjusting the **Backlight** can improve the clarity of the screen when viewing.

- 7 Press **▲** or **▼** to select **Backlight**.



- 8 Press **◀** or **▶** to suit your preference.

Black/White Level increases the strength of dark areas of the picture, which improves picture definition.

- 9 Press **▲** or **▼** to select **Black/White Level**.
- 10 Press **◀** or **▶** to adjust the level from **Off**, **Low**, **Middle** to **High**. The effect depends on the broadcast and is most noticeable on dark colours.

Picture Mode

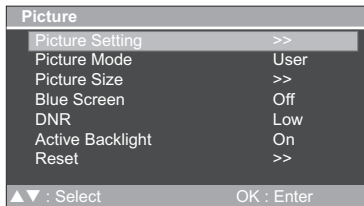
You can adjust the picture appearance by selecting the preset value in picture mode based on the programme category.

- 1 Press **MENU** and press **▲** or **▼** to select **Picture** and press **▶** to enter the sub-menu.
- 2 Press **▲** or **▼** to select **Picture Mode**.
- 3 Press **◀** or **▶** to select **Dynamic**, **Standard**, **Movie** or **User**.

Blue Screen

When **Blue Screen** is selected, the screen will turn blue and the sound will be muted when no signal is received.

- 1 In the **Picture** menu, press ▲ or ▼ to select **Blue Screen**.
- 2 Press ◀ or ▶ to select **On** or **Off**.



Note:

This function is not available in DTV mode.

Digital Noise Reduction

DNR (Digital Noise Reduction) enables you to “soften” the screen representation of a weak signal to reduce the noise effect.

- 1 In the **Picture** menu, press ▲ or ▼ to select **DNR**.
- 2 Press ◀ or ▶ to select **Off**, **Low**, **Middle** or **High**.

Note:

This function is not available for HDMI input.

Active Backlight

When **Active Backlight** control is activated, it will automatically optimise the backlighting levels for dark scenes.

- 1 In the **Picture** menu, press ▲ or ▼ to select **Active Backlight**.
- 2 Press ◀ or ▶ to select **On** or **Off**.

Automatic format (Widescreen)

When this television receives a true Widescreen picture and Picture Size is **Auto**, it will automatically be displayed in Widescreen format, irrespective of the television's previous setting.

Picture Still

Press ◻ to freeze the picture.

Even if an image is frozen on the TV screen, the pictures are running on the input source. Audio continues to be output as well.

To return to a moving picture, press ◻ again.

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.

Enjoy Photos through USB Port

The Photo Viewer allows you to playback JPEG files from a USB storage device.

Photo Viewer specifications

Data type: JPEG Exif ver2.2

File format: DCF ver1.1

Maximum number of files: 2048 files

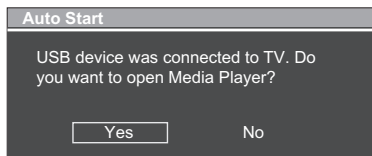
Maximum photo resolution: 8196 x 8196 pixels

PLEASE NOTE

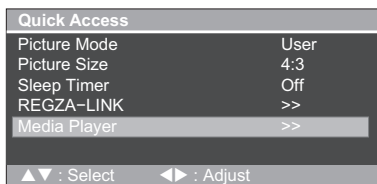
- Gently insert the USB device into the port and do not remove while viewing Media Player.
- USB device: USB Mass Storage Class device (MSC)
- Connectivity is not guaranteed for all devices.
- Connect the USB device to the TV directly.
- Do not use a USB hub.
- You must obtain any required permission from copyright owners to use copyright content. Toshiba cannot and does not grant such permission.

View Photo Files

- 1 Insert a USB storage device, and press ◀ or ▶ to select **Yes** to enter the **Media Player** menu.

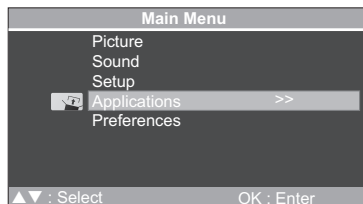


You can also access the **Media Player** menu by pressing **QUICK** to display the **Quick Access** and press ▲ or ▼ to select **Media Player**.

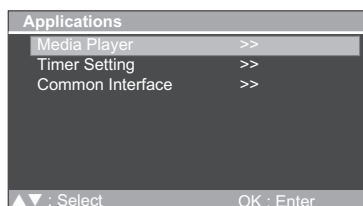


You can also access the **Media Player** menu by pressing **MENU**.

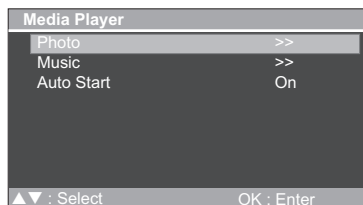
Press ▲ or ▼ to select **Applications**.



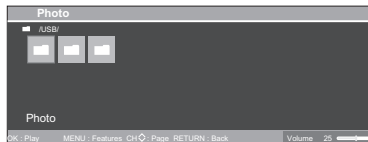
Press ▲ or ▼ to select **Media Player**.



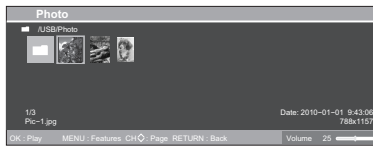
- 2 Press ▲ or ▼ to select **Photo** and press ▶ to enter the submenu.



- 3 Press ◀ or ▶ to select the folder you wish to view and press Ⓚ to enter.



- 4 Press ◀ or ▶ to select the desired photo and press OK to play.



- To switch between **Slide Show** and **Single Show**, press OK.
- To view the previous or next photo, press ◀ or ▶.
- To rotate the photo, press ▲ or ▼.
Note: This function is only available in **Single Show** mode.
- Press (F) (I) to display file status information (content number, photo title, shooting date and time, resolution etc.). The information will be removed by time-out (about 7 sec) or pressing again.

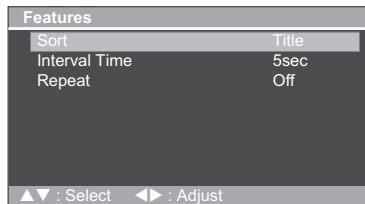
Using Slide Show

This view allows you to watch a slide show of the photos. In this view mode, the only contents it locates on the same directory shall be played.

To start Slideshow, press OK when viewing a photo. Slideshow stops at the last photo in the directory.

To Set Interval time and Repeat Settings for Slideshow

- 1 Press **MENU** to open the **Features**.



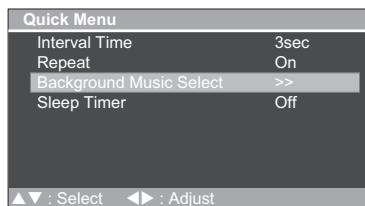
- 2 Press ▲ or ▼ to select **Sort** and press ◀ or ▶ to display the photos by **Title**, **New** or **Old**.
- 3 Press ▲ or ▼ to select either **Interval Time** or **Repeat**.

Note:

If Repeat is On, Slideshow starts photo viewing from the first photo in the folder after reaching the final photo.

To Set Background Music and Sleep Timer for Slideshow

- 1 Press **MENU** to open the **Quick Menu** when viewing a photo.



- 2 Press ▲ or ▼ to select **Background Music Select** and press ▶ to select music from the USB.
- 3 Press ▲ or ▼ to select **Sleep Timer**.

Enjoy Music through USB Port

The MP3 Player allows you to playback MP3 files from a USB storage device.

Music Player specifications

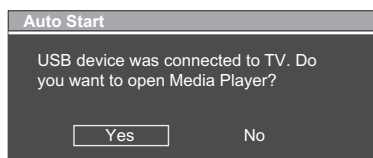
File format: MP3

Sampling frequency: 32kHz ~ 48kHz (MPEG Layer1/2); 8kHz ~ 48kHz (MPEG Layer3)

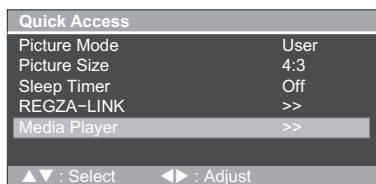
Bit rate: 32kbps ~ 448kbps (MPEG Layer1/2); 8kbps ~ 320kbps (MPEG Layer3)

Play Music Files

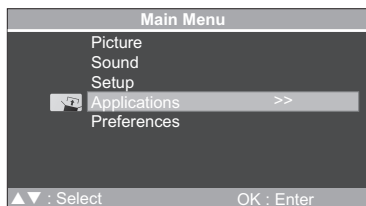
- 1 Insert a USB storage device, and press ◀ or ▶ to select **Yes** to enter the **Media Player** menu.



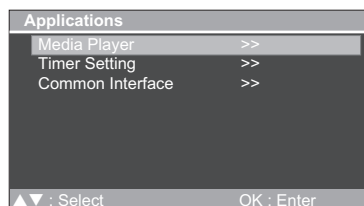
You can also access the **Media Player** menu by pressing **QUICK** to display the **Quick Access** and press ▲ or ▼ to select **Media Player**.



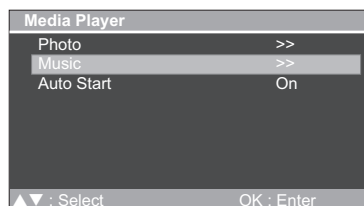
You can also access the **Media Player** menu by pressing **MENU**. Press ▲ or ▼ to select **Applications**.



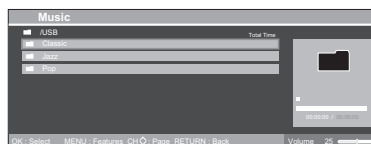
Press ▲ or ▼ to select **Media Player**.



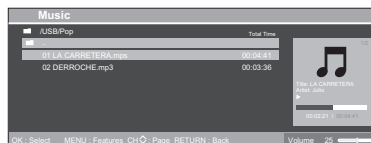
- 2 Press ▲ or ▼ to select **Music** and press ▶ to enter the submenu.



- 3 Press ▲ or ▼ to select the folder you wish to play and press Ⓚ to enter.

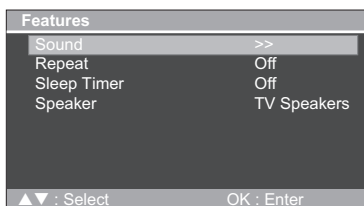


- 4 Press ▲ or ▼ to select the desired music file and press Ⓚ to play.



Use the Features Menu

- 1 Press **MENU** to open the **Features** menu when playing a song.



- 2 Press ▲ or ▼ to select **Sound** and press ◀ or ▶ to adjust **Bass**, **Treble** or **Balance**.
- 3 Press ▲ or ▼ to select **Repeat** and press ◀ or ▶ to select **On** or **Off**.
- 4 Press ▲ or ▼ to select **Sleep Timer** and press ◀ or ▶ to select **Off** or the number of minutes (10/20/30/40/50/60/90/120) you want the music to play before turning off.
- 5 Press ▲ or ▼ to select **Speakers** and press ◀ or ▶ to select the **audio source**.

Note:

This function is only available when there are external audio receivers connected to the TV.

REGZA-LINK Controls

This feature uses **CEC** (Consumer Electronics Control) technology, and allows the control of Toshiba **REGZA-LINK** compatible equipment from the television's remote control.

Note: Not all Toshiba products currently support **REGZA-LINK**.

Equipment Control

The **REGZA-LINK** mode on the television's remote control allows the control of connected **REGZA-LINK** equipment being watched.

To control the **REGZA-LINK** input source, first select the equipment with **REGZA-LINK** input source selection, then switch the mode on the remote control to **REGZA-LINK** and press any buttons.

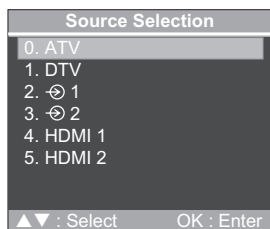
The available functions are dependent on the equipment connected. Not all the remote control keys may be available. Please refer to the operation manual for each piece of equipment connected.

Note: The television features that can be controlled by the connected equipment are: Standby, Volume, Channel, Sound Mute, Display Information, Number Buttons and Previous Programme.

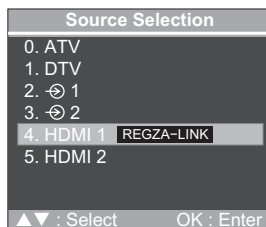
Input Source Selection

When any equipment using **CEC** technology is connected, the **REGZA-LINK** icon will appear in the input source list allowing selection of individual devices.

- 1 Press \odot . A list will appear on screen showing modes and all stored external equipment.



- 2 The **REGZA-LINK** icon appears automatically after detected with **REGZA-LINK** compatible equipment. Press \blacktriangledown to highlight the input source shown with the **REGZA-LINK** icon.



- 3 Press \blacktriangleright . A second selection screen will appear showing all connected **REGZA-LINK** equipment.
- 4 Press \blacktriangle or \blacktriangledown to highlight an input source, and then press \odot to select.

Note 1: When the television is switched on, it will take a few minutes for the **REGZA-LINK** icon to appear in the list, when an HDMI cable is removed, it will take a few minutes for the logo to disappear.

Note 2: If the HDMI cable from the connected equipment is changed, or HDMI equipment settings are changed, the Enable **REGZA-LINK** in the **REGZA-LINK** setup menu may need to be reset to On.

Note 3: When the **REGZA-LINK** input source is selected, some **REGZA-LINK** equipment may automatically switch on.

The following features are dependent on the connected equipment. For operating information, refer to the operation manual for all connected equipment.

Pass-Through Control

The **Pass-Through** feature allows you to control the connected **REGZA-LINK** device by the television's remote control.

- 1 Press ▲ or ▼ to select **REGZA-LINK** in the **Quick Access** Menu, and then press **OK**. The control panel will appear.

When there are two or more **REGZA-LINK** devices connected to the television, a device selection menu will appear. Highlight the device you want to control, and then press **OK** to select.



- 2 Press the key on the television's remote control as guided by the control panel shown.

Note: The available functions are dependent on the connected equipment, not all the remote functions may be available. Please refer to the operation manual of the connected equipment.

REGZA-LINK Menus

By activating the Enable **REGZA-LINK** feature in the **REGZA-LINK** setup menu, individual **REGZA-LINK** features can then be activated.

One Touch Play

The function of **REGZA-LINK** will automatically power on the television that was in standby mode and switch the television's input source to the port connected with the audio/video equipment by powering-on or playing from the audio/video equipment.

Note: This feature is dependent on the connected equipment and television setting.

System Standby

This feature automatically switches the connected equipment into standby when the television goes into standby and conversely for the television to switch into standby when connected equipment goes into standby. It is selected in the **REGZA-LINK** setup menu.

Note: This feature is dependent on the connected equipment and television setting.

System Audio Control

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

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

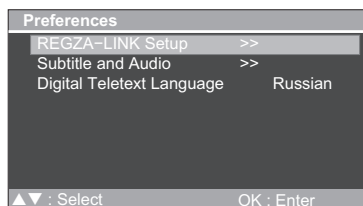
Note: When the AV Amplifier is switched on, its input source changed or the volume adjusted, the sound will be output from the AV Amplifier's speakers even if TV Speakers has been selected. Turn the television off then on again to output the sound from the TV's speakers.

The full function may not work and is dependent on the Amplifier being used.

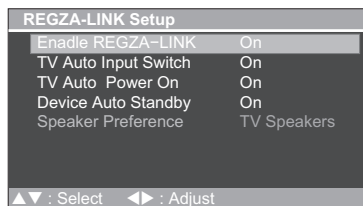
Enable REGZA-LINK

When the **Enable REGZA-LINK** is set to **On**, it allows the other functions to be enabled.

- 1 In the **Preferences** menu, press **▲** or **▼** to select **REGZA-LINK Setup**, and then press **▶** or **OK**.



- 2 Press **▲** or **▼** to select **Enable REGZA-LINK**, then press **◀** or **▶** to select **On** or **Off**.



TV Auto Input Switch

The **TV Auto Input Switch** function automatically switches the television's input source to the port connected with the audio/video equipment by powering-on or playing from the audio/video equipment.

- 1 In the **REGZA-LINK Setup** menu, press **▲** or **▼** to select **TV Auto Input Switch**.
- 2 Press **◀** or **▶** to select **On** or **Off**.

TV Auto Power On

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

- 1 In the **REGZA-LINK Setup** menu, press **▲** or **▼** to select **TV Auto Power On**.
- 2 Press **◀** or **▶** to select **On** or **Off**.

Device Auto Standby

When the **Device Auto Standby** is enabled, switching off the television will automatically switch off all connected **REGZA-LINK** equipment.

- 1 In the **REGZA-LINK Setup** menu, press **▲** or **▼** to select **Device Auto Standby**.
- 2 Press **◀** or **▶** to select **On** or **Off**.

Speaker Preference

This feature allows the audio output preference to be set to the TV speakers or AV amplifier speakers. The AV Amplifier option lets the televisions remote control adjust or mute the volume of the audio.

- 1 In the **REGZA-LINK Setup** menu, press **▲** or **▼** to select **Speaker Preference**.
- 2 Press **◀** or **▶** to select **TV Speakers** or **Audio Receiver**.

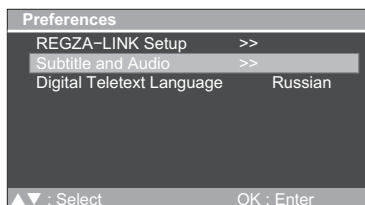
Note: This function is only available when the TV is connected to audio receivers that support CEC function.

Preference Controls

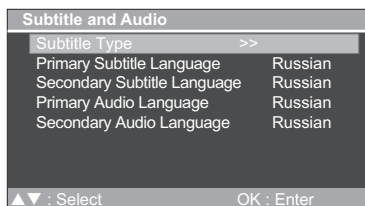
Subtitle Type

You can choose the **Subtitle Type** from **Normal** or **Hard of Hearing**. If the **Hard of Hearing** is selected, it provides subtitle services to deaf and hard of hearing viewers with additional descriptions

- 1 In the **Preferences** menu, press ▲ or ▼ to select **Subtitle and Audio**, and then press ► or Ⓞ.



- 2 Press ▲ or ▼ to select **Subtitle Type**, and then press ◀ or ▶ to select **Normal** or **Hard of Hearing**.



Subtitle Languages

You can set the subtitle on or off while watching TV.

- 1 In the **Preferences** menu, press ▲ or ▼ to select **Subtitle and Audio**, and then press ► or Ⓞ.
- 2 Press ▲ or ▼ to select the **Primary Subtitle Language** or **Secondary Subtitle Language** and press ◀ or ▶ to select the language.

Note: If the language in the **Primary Subtitle Language** is not available, the **Secondary Subtitle Language** will be displayed.

Audio Languages

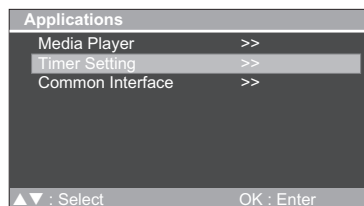
This feature allows a programme or film to be viewed with a choice of soundtrack language, provided they are currently being broadcast.

- 1 In the **Preferences** menu, press ▲ or ▼ to select **Subtitle and Audio**, and then press ► or Ⓞ.
- 2 Press ▲ or ▼ to select the **Primary Audio Language** or **Secondary Audio Language** and press ◀ or ▶ to select the language.

Time Zone

After **Auto Tuning**, the TV time is set by the time offset information based on Time Zone and GMT (Greenwich Mean Time) which is received with the broadcast signal and the time is set automatically by a digital signal.

- 1 Press **MENU**, and then press ▲ or ▼ to select **Applications**.
- 2 Press ▲ or ▼ to select **Timer Setting**, and then press ► or Ⓞ.

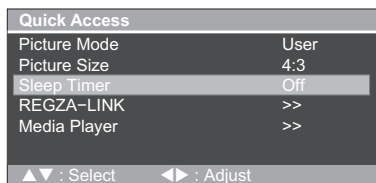


- 3 Press ▲ or ▼ to select **Time Offset**, and then press ◀ or ▶ to select **Auto** or a specific time difference.

Sleep Timer

The television can be set to turn itself **Off** after a certain length of time.

- 1 Press **QUICK** to display the **Quick Access** menu.



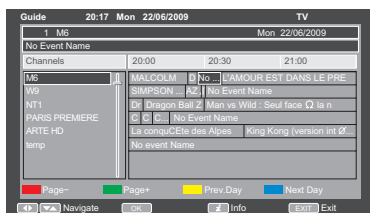
- 2 Press ▲ or ▼ to select **Sleep Timer** (Turn off the TV).
- 3 Press ◀ or ▶ to select **Off** or the number of minutes (10/20/30/40/50/60/90/120) you want the TV to play before turning off.

EPG Timer

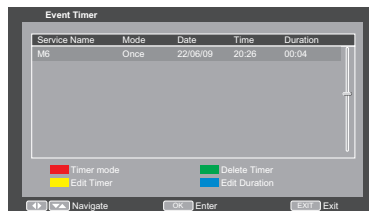
EPG (Electronic Programme Guide) supports 8 sets of timers. You can set or cancel a timer for a selected programme within the guide. When the TV is on and the timer activates, a dialogue box is shown informing you that the programme is about to start. When the TV is in standby mode and the timer activates, the TV will wake up with backlight off, speaker mute on, and change to the channel selected.

You must set the time correctly before using this function. All set timers are cleared when performing a new channel scan.

- 1 Press **GUIDE** on the remote to display the **TV Guide**.



- 2 Press ▲ or ▼ to select the desired channel and press **OK** to enter the **Event Timer** menu.



- ■ : Press the ■ button on the remote to display the Timer mode.
- ■ : Press the ■ button on the remote to display the delete the set timer.
- ■ : Press the ■ button on the remote to display the edit a timer.
- ■ : Press the ■ button on the remote to display the edit the timer duration.

- 3 An indicator will be shown in the detail information area when a timer function is set.

Note: When the timer is set, the Timer LED on the front panel lights on.

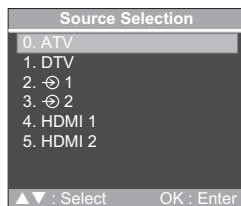
Note: After adjustment, the TV clock may not match the time in the EPG Programme Guide. The EPG Programme Guide time follows the broadcast stream time which cannot be adjusted.

Input Selection

Use the Input Selection feature if the television does not switch over automatically when using an external device.

Pressing **⊖**, a list will appear on-screen showing all external equipment.

Use ▲ or ▼ to highlight and **OK** to select.



HDMI® displays equipment connected to Input HDMI on the back of the television. It is designed for best performance with 1080i/1080p high definition signals.

Parental Lock

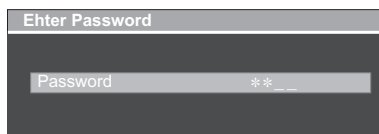
This function blocks channels or programmes that you do not want to or that you do not want your children to watch.

A password is required to access this function.

The factory default password is "0000".

Note: When **Parental Lock** is activated, you will need to enter the 4-digit password before you enter the Channels submenu under the **Setup** menu. After auto tuning, all the channel blocks will be cleared.

- 1 In the **Setup** menu, press **▲** or **▼** to select **Password Setup**, and then press **▶** or **OK**.
- 2 Enter the 4-digit password.



- 3 Press **▲** or **▼** to select **Parental Lock**, and then press **◀** or **▶** to set the age rating from age 4~18 or select **None** to turn this function off or **Block All**.

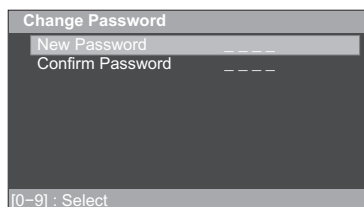
Note: This function is available for programmes with Age Rating information.

Change Password

Change the 4-digit parental control password.

The default password is 0000.

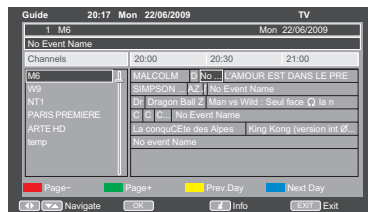
- 1 In the **Setup** menu, press **▲** or **▼** to select **Password Setup**, and then press **▶** or **OK**.
- 2 Enter the 4-digit password.
- 3 Press **▲** or **▼** to select **Change Password**, and then press **▶** or **OK**.
- 4 Enter the 4-digit new password, and re-enter the new password again to confirm.



Digital Programme Guide

Programme guide gives access to programme details for all available channels.

- 1 Press **GUIDE** on the remote to display the **TV Guide**.



- 2 Press **◀** or **▶** for information on other events scheduled for the programme selected.
- 3 For details of other programmes currently available, press **▲** and **▼** to scroll up and down the programme list.

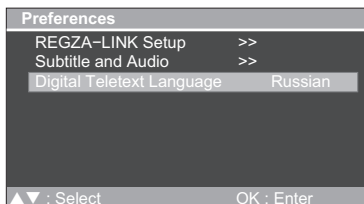
Text Services and Text Information

This television has a multi-page text memory, which takes a few moments to load.

Setting the Language

You can set the teletext language.

- In the **Preferences** menu, press **▲** or **▼** to select **Digital Teletext Language**, and then press **▶** or **⊗**.



- Using **◀** or **▶** to choose from **English** or **Russian**.

Text Information

The first text page shown will be the index page.

Any text page can be accessed by entering the 3-digit page number using the numbered buttons, pressing the coloured buttons or pressing **P ▲** to advance to the next page and **P ▼** to go back to the previous page.

Control Buttons

Below is a guide to the functions of the remote control text buttons.

- ⊞** **Displays the index/initial page:**
Press **⊞** to access the index/initial page. The page displayed is dependant on the broadcaster.
- ⊞** **Reveals concealed text:**
To discover the solutions on quiz and joke pages press the **⊞** button.
- ⊞** **Holds a wanted page:**
At times it is convenient to hold a page of text. Press **⊞** and **⊞** will appear in the top left of the screen. The page will be held on-screen until the button is pressed again.
- ⊞** **Enlarges the text display size:**
Press **⊞** once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to normal size.
- ⊞** **Selects a page while viewing a normal picture:**
Enter the page number then press **⊞**, a normal picture will be displayed. The television will indicate when the page is present by displaying the page number at the top of the screen.
- To display news flashes:**
Select the news flash page for the chosen text service (see the index page of your text service).
By pressing **⊞**, news flashes will be displayed as and when they are broadcast. Press **⊞** again to cancel the display.
- How to change the page:**
Press **▲** or **▼** to change the page.
Press **◀** or **▶** to change the sub page when a sub page is available.
The news flash page must be cancelled before changing channels.

Frequently Asked Questions

Q *Why is there no sound or picture?*

A Check that the television is on and that all connections are made properly.

Q *There is a picture, but why is there little or no colour?*

When using an **external** source, if there is little or no colour, improvements may sometimes be achieved.

A The colour is factory set to **Auto** to automatically display the best colour system.

To manually change the colour system:

1 With the external source playing, select **Manual tuning** from the **Setup** menu.

2 Using **▲** or **▼** to choose from **Auto**, **PAL** or **SECAM**.

Manual Tuning	
Search	48.25 MHz
Fine	48.25 MHz
Colour System	Auto
Sound System	Auto

▲▼ : Select ◀▶ : Adjust

Q *Why doesn't the video/DVD being played show on-screen?*

A Make sure the VCR or DVD player is connected to the television, then select the correct input by pressing **↻**.

Q *Why is there a good picture but no sound?*

A Check all cable connections and that the volume has not been turned down or that the sound has not been muted.

Q *Why don't the devices connected via HDMI operate properly?*

A Make sure to use cables with the HDMI logo (**HDMI**[®]). Some early HDMI equipment may not work properly with the latest HDMI TV products, due to adoption of new standards.

Q *What else can cause a poor picture?*

A Interference or a weak signal. Try a different television station. Manual fine tuning may help:

Select the **Manual Tuning** in the **Setup** menu. Press **▲** or **▼** to select **Fine** and then press **◀** or **▶** to adjust to get the best picture and sound.

Manual Tuning	
Search	48.25 MHz
Fine	48.25 MHz
Colour System	Auto
Sound System	Auto

▲▼ : Select ◀▶ : Adjust

Q *Why doesn't the remote control work?*

A Check that the batteries aren't dead or inserted incorrectly.

Q *Why are there problems with text?*

A Good performance of text depends on a strong broadcast signal. If the text is unreadable or garbled, check the aerial, satellite or cable connection. Go to the main index page of the text service and look for the User Guide. This will explain the basic operation of text in some detail.

Q *Why are the four coloured text numbers visible but no text?*

A Text has been selected while viewing an external source. No text will appear on-screen or a box may appear stating no information is available. Select a broadcasting channel and press **⏏** to access.

Q *Why is the VCR/DVD picture in black and white?*

A Check the correct input has been chosen **AV**.

Q *Why did TV turn off by itself?*

A After approximately 10 minutes without any input video signal or 4 hours without any operation in the TV mode, the TV will turn off to save power. You can enter the Energy Saving Settings in Setup Menu to turn off the No Signal power down and Automatic power down functions.

Q *What can be done if the user-defined password has been forgotten?*

A Use the universal password 1276, then change to a new number of your choice.

Specifications and Accessories

Broadcast Systems/Channels

PAL-I	UHF UK21-UK69
PAL-B/G	UHF E21-E69 VHF E2-E12, S1-S41
SECAM-L	UHF F21-F69 VHF F1-F10, B-Q
SECAM-D/K	UHF R21-R69 VHF R1-R12
Video Input	PAL, SECAM, NTSC 3.58

External connections

EXT1	Input/Output	21-pin SCART 1	A/V, RGB
EXT2	Input	RCA Jacks	Video Audio L + R
HDMI 1/2	Input	HDMI®	
HDMI 1	Audio	3.5 Mini Jack	Audio L + R

Stereo	Nicam 2 Carrier System
---------------	---------------------------

Visible Screen Size (approx.)	Model	32 80cm 40 102cm
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Display	16:9
----------------	------

Sound Output (At 10% Distortion)	Model	32 10W + 10W 40 10W + 10W
--	-------	------------------------------

Power Consumption As specified in EN60107-1: 1997	Model	32AV732** 145W 32LV732** 145W 40LV732** 235W
--	-------	--

Standby (approx.)	Model	32 < 0.9W 40 < 0.9W
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Dimensions (approx.)	Model	32 56.4cm(H)x79.8cm(W)x23.3cm(D) 40 70.6cm(H)x98.9cm(W)x27.6cm(D)
--------------------------------	-------	--

Weight (approx.)	Model	32AV732** 11.5kg 32LV732** 11.0kg 40LV732** 19.0kg
----------------------------	-------	--

Headphone Socket	3.5mm Stereo
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Operating Conditions	Temperature: 0°C - 35°C (32°F - 94°F) Humidity: 20% - 80% (non-condensing)
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Accessories	Remote Control 2 Batteries (AAA 1.5V) Power Cord User Manual Stand Assembly Instruction Warranty Card Screws Bag for Fix Stand
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Function	Library name	Link	License	Header
MP3 decoder	scalfact.c	Link no longer exists	GNU General Public License	Appendix A
JPEG decoder	jpeglib.h	http://www.koders.com/c/fidE-2795B75345089E3EACAAEA77B-58CB48742FF59.aspx?s=md5	Free	Appendix B
PNG decoder	libpng 1.0.2	http://www.filewatcher.com/p/libpng-1.0.2.tar.gz.225386/libpng-1.0.2.htm	Free	Appendix C
Zlib	Zlib 1.1.3	ftp://ftp.cdrom.com/pub/infozip/zlib/	Free	Appendix D

Appendix A – Mpeg Audio

Header part:

scalfact.c Scalefactors for layer I and II This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc.f, 675 Mass Avef, Cambridgef, MA 02139f, USA.

Appendix B – Jpeg decoder

Header part:

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The Unix configuration script “configure” was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce “uncompressed GIFs”. This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

“The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated.”

Appendix C – PNG decoder

Header part:

```

/* png.h - header file for PNG reference library
*
* libpng 1.0.2 - June 14, 1998
* For conditions of distribution and use, see the COPYRIGHT NOTICE below.
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*/

```

Appendix D – Zlib

Header part:

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Jean-loup Gailly
jloup@gzip.org

Mark Adler
madler@alumni.caltech.edu

Cleaning the screen and cabinet...

Turn off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

Disposal...**The following information is only for EU-member states:**

Disposal of products The crossed out wheeled dust bin symbol indicates that products must be collected and disposed of separately from household waste. Integrated batteries and accumulators can be disposed of with the product. They will be separated at the recycling centres.



The black bar indicates that the product was placed on the market after August 13, 2005. By participating in separate collection of products and batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.

For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased the product.

Disposal of batteries and/or accumulators.

The crossed out wheeled dust bin symbol indicates that batteries and/or accumulators must be collected and disposed of separately from household waste.



Hg Cd Pb

If the battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) defined in the Battery Directive (2006/66/EC), then the chemical symbols for lead (Pb), mercury (Hg) and/or cadmium (Cd) will appear below the crossed out wheeled dust bin symbol. By participating in separate collection of batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.

For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased the product.



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