



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for TOSHIBA RL838. You'll find the answers to all your questions on the TOSHIBA RL838 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual TOSHIBA RL838**  
**User guide TOSHIBA RL838**  
**Operating instructions TOSHIBA RL838**  
**Instructions for use TOSHIBA RL838**  
**Instruction manual TOSHIBA RL838**

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**RL83\* Digital  
Series**



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**Manual abstract:**

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When connecting the VIDEO/AUDIO devices, connect those cables to Y/L/R sockets. The Digital Audio Output socket enables the connection of a suitable surround sound system. NOTE: This output is always active. HDMI® (High-Definition Multimedia Interface) is for use with a DVD decoder or electrical equipment with digital audio and video output. For acceptable video or PC signal formats through the HDMI terminals, see page 61. NOTE: Although this television is able to connect to HDMI equipment, it is possible that some equipment may not operate correctly. LAN port is used to connect the TV to your home network.

This TV can play digital content stored on a DLNA CERTIFIEDTM product with server function. A wide variety of external equipment can be connected to the back of the television; therefore, the relevant owner's manuals for all additional equipment must be referred to for exact instructions. If the television automatically switches over to monitor external equipment, return to normal television by pressing the desired programme position button. To recall external equipment, press p / o to select between DTV, EXT 1, EXT 2, HDMI 1, HDMI 2, HDMI 3, PC or ATV. When the external input mode is selected while viewing DTV mode, the SCART socket does not output video/audio signals.

8 CONNECTING YOUR TV English Connecting an HDMI® device The HDMI input on your television receives digital audio and uncompressed digital video from an HDMI 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 consumer electronic devices (such as a set-top box or DVD player with HDMI output). For acceptable video signal formats, see page 61. NOTE: Supported Audio format: Linear PCM, Dolby Digital (AC-3), sampling rate 32/44.1/48kHz.

To connect an HDMI device Connect an HDMI cable (type A connector) to the HDMI terminal. For proper operation, it is recommended that you use an HDMI cable with the HDMI Logo ( ). 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 model. HDMI cable transfers both video and audio. Separate analogue audio cables are not required (see illustration). the back of your television HDMI cable HDMI device To view the HDMI device video, press the o button to select HDMI 1, HDMI 2 or HDMI 3 mode. 9 CONNECTING YOUR TV English Connecting a computer With either an RGB/PC or an HDMI connection, you can watch your computer's display on the television. To connect a PC to the HDMI terminal When connecting a PC to the HDMI terminal on the television, use an HDMI-to-DVI adaptor cable. If connecting a PC with an HDMI terminal, use an HDMI cable (type A connector).

the back of your television To connect a PC to the RGB/PC terminal When connecting a PC to the RGB/PC terminal on the television, use an analogue RGB (15-pin) computer cable. the back of your television Mini D-sub 15 pin connector Computer Computer HDMI-to-DVI adaptor cable For acceptable PC and video signal formats, see page 61. RGB PC cable (not supplied) 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. Conversion adaptor if required (not supplied) To use a PC, set the monitor output resolution on the PC before connecting it to the television. For acceptable PC signal formats, see page 60. To display the optimum picture, use the PC setting feature (see page 50). NOTE: Some PC models cannot be connected to this television. An adaptor is not needed for computers with a compatible mini D-sub15-pin terminal. Depending on the DVD's title and the specifications of the PC on which you are playing the DVD-Video, some scenes may be skipped or you may not be able to pause during multi-angle scenes.

A band may appear at the edges of the screen or parts of the picture may be obscured. This is due to scaling of the picture by the set, it is not a malfunction. When PC input mode is selected, some of the television's features will be unavailable e.g. Colour System in the SETUP menu.

Some PC models may output unique signals that the television may be unable to detect (see page 60). If connecting a certain PC model with a unique PC signal, the PC signal may not be detected correctly. 10 CONNECTING YOUR TV English Connecting a home network The LAN port allows your Toshiba TV to connect to your home network. You can use this revolutionary home entertainment networking system to access photo, video and audio files that are stored on a DLNA CERTIFIEDTM server and play/display them on your TV. NOTE: If you connect to a shared network outside your home, it is advisable to use a router.

Always use DLNA CERTIFIEDTM products in private network environments. Connect this TV to the same router as other DLNA CERTIFIEDTM products (server). If you use a hub or switch to connect the TV to your home network, you may not be able to use the automatic setup and will have to manually set up the network address. See page 31. If you use a router with built-in DHCP functionality, use the automatic setup. Manual setup may not work. If you connect the TV and PC directly, use a crossover LAN cable. To connect the TV to a home network with an internet connection - Wireless Please refer to "Wireless Setup" section on page 29. the back of your television TOSHIBA Dual Band WLAN adaptor Access point (AP) Wireless LAN router Modem To connect the TV to a home network Wired the back of your television Computer Modem (if available) Router with Hub How to use this Dual Band Wireless LAN Adaptor If this device is going to be operated in the frequency range of 5.15 GHz to 5.

35 GHz, it is restricted to indoor use. If this device is going to be operated for 802.11 b/g/n function in the frequency range of 2.454 GHz to 2.4835 GHz in France, it is restricted to indoor use. A general authorization is required for using this device outdoors or in public places in Italy. This device is NOT ALLOWED to be used in the geographical area within a radius of 20km from the centre of Ny-Alesund in Norway. [1] [2] Server PC [2] [3] Cable or Phone jack [2] [1] Coaxial or telephone cable (depending on your modem type) [2] Standard LAN cable [3] Do NOT connect a phone jack directly to the TV's LAN port. 11 CONNECTING YOUR TV English Controls and input connections A wide variety of external equipment can be connected to the input sockets on the side of the television. 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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**ILLUSTRATION SHOWS 40RL838. COMMON INTERFACE** The Common Interface is for a Conditional Access Module (CAM). Contact a service provider.

The software updating of CI Plus CAM may be automatically executed. At this time, your Recording/Reminder programming will be canceled.

Control panel USB port Media Player/Wireless LAN adaptor ready for a home network Ambient Light Sensor RED LED Standby GREEN LED Power on ORANGE LED Programme timer set (digital only) Switching on If the RED LED is not lit, check that the mains plug is connected to the power supply and press 1 on the remote control; it may take a few moments. The GREEN LED will be lit. To put the television into Standby, press 1 on the remote control. To view the television, press 1 again. The picture may take a few seconds to appear.

For energy saving: We recommend that you use the television with the factory settings. The factory settings are for energy saving. Unplugging the mains plug will cut energy use to zero for all televisions. This is recommended when the television is not being used for a long time, e.g. when on holiday. Reducing the brightness of the screen will reduce energy use. Energy efficiency cuts energy consumption and thus saves money by reducing electricity bills. NOTE: Putting the television into standby mode will reduce energy consumption, but will still draw some power. To use the option, press B and b on the remote control to move up and down and press C or c to select your desired setting.

Using the TV controls and connections · To turn on or off the TV, press !. · To alter the volume, press + or . + and buttons operate as volume up/down as default. · To alter the programme position, press p / o once and press u or U. · To select an external input, press and hold p / o until the Inputs window appears, and then press u or U to select the appropriate input source. The Media Player feature provides access to photo, movie and music files stored on a USB storage device that is connected via the USB port or on a network device. NOTE: The USB socket has limited functionality and Toshiba can take no responsibility for damage to other connected equipment. The USB socket has to be used with the "TOSHIBA Dual Band WLAN Adaptor WLM-20U2" in order to access a wireless network. You must use the TOSHIBA Wireless LAN device to ensure correct operation of this feature. This feature is available only when the "TOSHIBA Dual Band WLAN Adaptor" is used.

Please always refer to the owner's manual of the equipment to be connected for full details. NOTE: Interactive video games that involve shooting a "gun" at an on-screen target may not work with this TV. Using the menu system Press MENU on the remote control to display the menu. The menu appears as a list of five topics. As each symbol is selected by pressing C or c on the remote control, its respective options will appear below.

NOTE: The same menu is displayed in DTV (Digital TV) and ATV (Analogue TV) modes; however, where some items are not available in a mode, they will appear grayed out. 12 SETTING UP YOUR TV English Startup Application Before switching on the TV, make sure your decoder/media recorder, if applicable, is in standby. To set up the television, use the buttons on the remote control as detailed on page 7. g Press OK. If the Ant/Cable In screen appears, press B or b to select Antenna or Cable and press OK to check ( ).

Ant/Cable In Antenna Cable Next Quick Setup a Press the 1 button. The Menu Language screen will appear. This screen will appear the first time that the television is switched on and each time Reset TV is selected. Press B b C c to select the menu language and press OK. Highlight Country and press C or c to select. The television is now set to tune the stations for your country. Quick Setup Country Primary Subtitle Language Secondary Subtitle Language Primary Audio Language Secondary Audio Language Germany English German English English h Select Next and press OK. The Auto Tuning start up screen will appear with the option to select between DTV and ATV, DTV or ATV if available. Use C or c to select the appropriate mode. Press B or b to highlight Start Scan and press OK.

The television will start to search for available DTV and/or ATV channels. The progress bar will indicate the scan status. You must allow the television to complete the search. Auto Tuning Progress DTV Tune ATV Tune 3% Waiting... Channel: C7 b c i Found 2 NOTE: · The following display menus will differ slightly according to the country you selected. · If there is not a country that you want to select in the list, select Others. When the search is complete, the television will automatically select channel one. The Auto Tuning screen will display the total number of services found.

NOTE: If there are multiple channels with the same channel number, a confirmation window will appear. Press C or c to select the one you prefer. d Press OK, and the Location screen will appear. Location To use the TV for displaying in a store showroom, please select [Store]. [Home] mode is recommended for normal use.

Home j k Press C or c to view the DTV (digital channel) or ATV (analogue channel) lists. Press B or b to move through the list to select a channel and press OK to view. In ATV mode, some areas may receive duplicate stations. There may not be a clear picture or the signal may be weak, so the station order can be changed using ATV Manual Tuning. REMEMBER: Press TV at any time to select between ATV and DTV modes.

NOTE: The time will be set automatically by transmission but can be advanced or decreased by using Local Time Setting in the DTV Settings screen. PLEASE NOTE The Quick Setup menu can also be accessed at any time from the SETUP menu. e f Press C or c to select Home or Store. For normal home use, select Home. Press OK, and the AutoView screen will appear. Press C or c to select Yes or No. AutoView AutoView mode automatically adjusts picture settings to suit ambient light conditions. Do you wish to enable AutoView mode? No 13 SETTING UP YOUR TV English Ant/Cable In (if available) From this menu, you can set the RF input configuration. DTV Modulation: You can choose from five QAM modulation settings. a b Press MENU / C c to highlight SETUP icon.

Press b to select Ant/Cable In and press C or c to select Antenna or Cable. NOTE: When you attempt to change the Ant/Cable In setting, a warning message will appear followed by PIN entry (if PIN has been set) and a prompt for Auto Tuning. DTV Symbol Rate: This is the baud rate (KS/s) of the scan. DTV Network ID: This is the Network ID to be utilized for the scan. This item is grayed out when DTV Scan Type is set to "Full Scan". c When Ant/Cable In is set to Cable, the following setting options will be provided in the Auto Tuning screen. Press B or b to select an item and press C or c to select your desired option.



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Auto Tuning Tuning Mode Start Scan DTV Operator Selection Scan Type Start Frequency End Frequency Modulation Symbol Rate Network ID Others Quick Scan Auto Auto Auto Auto Auto DTV and ATV With the exception of DTV Scan Type and DTV Modulation items, all of the following items will have 2 operating modes. The first is Auto where the values for each item are preset by the system. The second is an Input mode where you will be able to enter a single value in place of the pre-set value.

If no channel is currently tuned and the Input state is chosen, a system default value will be shown. However, if a channel is currently tuned when the item is accessed, the value of the current channel will be displayed. Operator Selection: You can choose the Cable operator depending on the Country you set. DTV Scan Type: This item determines whether a Quick Scan or a Full Scan will be executed. The Quick Scan is a simplified version of the Full Scan that is designed to complete in less time.

DTV Start Frequency: This sets the frequency from which the scan will begin. DTV End Frequency: This sets the frequency at which the scan will end. 14 SETTING UP YOUR TV English Auto Tuning NOTE: As new services are broadcast, it will be necessary to re-tune the television in order to view them. Auto Tuning will completely re-tune the television and can be used to update the channel list. It is recommended that Auto Tuning is run periodically to ensure that all new services are added.

All current channels and settings, i.e. locked channels, will be lost. ATV Manual Tuning Tuning The television can be tuned-in manually using ATV Manual Tuning. For example, you might use the feature if the television cannot be connected to a media recorder/decoder with a SCART lead or when you want to tune-in a station on another System. Use C and c to move across the screen and select any of the ATV Manual Tuning options. Then use B or b to adjust the settings. ATV Manual Tuning System 1 English Germany Antenna I A C 2 0 VCR a b Press MENU / C c to highlight SETUP icon. Press B or b to select Auto Tuning and press OK. SETUP Menu Language Country Ant/Cable In Auto Tuning ATV Manual Tuning DTV Manual Tuning DTV Settings Quick Setup 1 2 3 4 5 6 7 8 1 9 Position The number to be pressed on the remote control to tune the channel.

System Specific to certain areas. Colour System Factory set to Auto, should only be changed if problems are experienced, i.e. NTSC input from external source. Skip Set Skip to On (8) or Off (0) for the selected channel. See page 17. Signal Class The channel classification. Channel The channel number on which a station is being broadcast. Search Search up and down for a signal. Manual Fine Tuning Only used if interference/weak signal is experienced. See page 55. Station Station identification. Use the B b and C c buttons to enter up to seven characters. c 2 A screen will appear warning that previous programmes and settings will be deleted. Auto Tuning Previous settings will be lost! Press EXIT for no change.

Tuning Mode DTV and ATV 3 4 Start Scan 5 6 Press C or c to select DTV and ATV, DTV or ATV, if available, then highlight Start Scan and press OK to continue with the Auto Tuning. NOTE: If you have selected "Others" for the Country field in the SETUP menu, and selected a tuning mode other than "DTV", choose the optimum ATV broadcasting system (B/G, I, D/K or L). The television will start to search for all available DTV and/or ATV services. You must allow the television to complete the search. When the search is complete, the Auto Tuning screen will display the services found.

7 8 9 To allocate a position on the television for a decoder and media recorder: turn the decoder on, insert a pre-recorded film in the media recorder, press PLAY and manually tune. d Press B or b to move through the list to select a channel and press OK to view. 15 SETTING UP YOUR TV English a In the SETUP menu, press b to select ATV Manual Tuning and press OK. g h Each signal will show on the television. If it is not your media recorder, press B or b again to restart the search. When your media recorder signal is found, press c to move along to Station. Use B, b, C and c to put in the required characters, e.g. VCR. ATV Manual Tuning Station 1 I A C 2 0 VCR SETUP Menu Language Country Ant/Cable In Auto Tuning ATV Manual Tuning DTV Manual Tuning DTV Settings Quick Setup English Germany Antenna i j k Press OK to save.

Repeat for each position you want to tune, or press BACK to return to the list of channels and select the next number to tune. Press EXIT when you have finished. PLEASE NOTE This television has direct channel entry if the channel numbers are known. Select the ATV Manual Tuning screen in Step 3. Enter the Position number, the System, then C for standard (terrestrial) channels or S for cable channels and the Channel number. Press OK to save. b Use B or b to select the desired position. We suggest Pos. 0 for a media recorder. ATV Manual Tuning Pos.

Channel 1 C 2 2 3 4 5 6 7 8 Station S10 C7 S40 C22 C25 C28 C30 Different Channel numbers may be displayed. c d Press OK to select. If the channel chosen for the media recorder is set to skip, Skip should be removed before storing. Press c to select System and press B or b to change if required. ATV Manual Tuning System 1 I A C 2 0 e f Then press c to select Search.

Press B or b to begin the search. The search symbol will flash. ATV Manual Tuning Search 1 I A C 2 0 16 SETTING UP YOUR TV English Skip To prevent certain channels from being viewed, positions can be skipped. Sorting positions Channels may be moved and saved to the position of your choice. a b Select ATV Manual Tuning from the SETUP menu.

Use B or b to highlight the position to be skipped and press OK to select. ATV Manual Tuning Pos. Channel 1 C 2 2 3 4 5 6 7 8 a b Select ATV Manual Tuning from the SETUP menu. With the list of channels showing, use B or b to highlight the channel you want to move and press c. ATV Manual Tuning Pos. Channel 2 3 4 Station Station S10 C7 S40 C22 C25 C28 C30 ABC1 ABC1 S10 C7 C40 C22 C2 C25 C28 C30 ABC1 ABC1 5 1 6 7 8 c d Press c to select Skip. Use B or b to turn Skip on. Press OK. c d Use B or b to move through the list to your preferred position. As you do so, the other channels will move to make room.

Press C to save your move. Repeat as necessary and press EXIT. 8 on the screen indicates a skipped position. ATV Manual Tuning Skip: On 1 I A C 2 0 e Press BACK and repeat from Step 2 or press EXIT. Each position has to be individually selected. To turn Skip off, repeat the procedure for each position. Skipped positions cannot be selected by PU and Pu or by the controls on the television but can still be accessed by the number buttons on the remote control. 17 SETTING UP YOUR TV English DTV Manual Tuning NOTE: This feature varies depending on the Ant/Cable In setting.



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*Manual Tuning for DVB-C When Ant/Cable In is set to Cable, DTV Manual Tuning items are as follows: Frequency input a specific frequency to be scanned Manual Tuning This feature is available for service engineers or can be used for direct channel entry if the multiplex channel is known. Modulation choose from one of five QAM modulation options Symbol Rate input a specific baud rate (KS/s) to be used for the manual scan a Select DTV Manual Tuning from the SETUP menu and press OK.*

*DTV Manual Tuning - Antenna Signal Strength Quality WEAK GOOD 13 506.0MHz 8MHz AVERAGE STRONG Channel Frequency Bandwidth Start Scan b c Enter the multiplex number using the number buttons or use C or c to adjust the number up or down. Highlight Start Scan and press OK. The television will automatically search for that multiplex. DTV Manual Tuning - Antenna 0 New Channels - Total 6 New Pos.*

*Name ABC ONE 1 2 7 40 51 Type ABC TWO ABC THREE ABC NEWS 24 ABCi When the multiplex is found, any channels that are not currently in the channel list will be added and the channel information at the top of the screen will be updated. d Repeat as necessary. Press EXIT to finish. 18 SETTING UP YOUR TV English DTV Settings Channels The channel order may be changed to suit your personal preference. Move -- Press the GREEN button to activate the Move feature.*

*Press the B or b buttons to select the channel you wish to move and press OK to check. If you wish to move multiple channels at once, select another channel and check in the same way. Repeat as necessary. Once all desired channels have been checked, press the B or b buttons to place the focus at the position to which you wish to move the channels. The channels will be inserted above the highlighted channel. Press the GREEN button to execute the move. Channels Line No. 1/10 Pos. Name 1 ABC ONE 2 7 30 40 51 822 823 ABC TWO ABC THREE CAB Channel ABC NEWS 24 ABCi AA AC a b Select DTV Settings from the SETUP menu and press OK. Select Channels and press OK.*

*DTV Settings Channels Subtitle and Audio Parental PIN Setup Parental Control Local Time Setting Common Interface c For your convenience, you can jump to specific places in the list by one of two methods. Channels Line No. 1/10 Pos. Name 1 ABC ONE 2 7 30 40 51 822 823 ABC TWO ABC THREE CAB Channel ABC NEWS 24 ABCi AA AC Position No. Sort -- Press the YELLOW button. A confirmation window will appear. Press C or c to select Yes and press OK. Your existing channel order will be lost. Do you wish to continue? Yes Location setting You can select either Home or Store mode. Home is recommended for normal home use.*

*Select Store when using the television for displaying in a shop, etc. Line Number Jump -- Use the number buttons (0-9) to input the line number you want to select and press OK. Name Jump -- Press CC or cc to jump to the next station name with a different initial letter. It is also possible to change the Position number of a particular channel. a b Select Location from the SETUP menu.*

*Press C or c to select Home or Store. Renumber -- Press the RED button to renumber the highlighted channel. Edit the channel number using the number buttons and press OK. If the position number you input already exists, a confirmation window will appear. Pos.*

*---Name ABC ONE Analogue switch-off This is a digital television which is integrated to allow the use of both digital and analogue services. However, during the lifetime of this set it is very likely that analogue services will be switched off to allow for more new digital services. This 'switch-off' will happen in a number of phases, which will be advertised in your area well in advance. It is recommended that at each phase the television is re-tuned to ensure that existing and new digital services can be viewed without disruption. 19 CONTROLS AND FEATURES English General controls Quick Menu Quick Menu helps you access some options quickly, such as Picture Mode, Picture Size, More Information, Sleep Timer etc. Press QUICK to display the Quick Menu and use B or b to select the option. Quick Menu Picture Mode Picture Size More Information Channel Options Toshiba Places YouTube USB Media Player Network Media Player Sleep Timer Headphone Level Wireless Information 50 00:00 AutoView Super Live Selecting channels To select a channel, use the numbered buttons on the remote control. Channels can also be selected using PU and Pu. To display on-screen information such as channel, input mode or stereo/mono signal, press . Press again to cancel.*

*The Time Display analogue only The time display facility allows the current (text service) time to be seen on the television screen. Press D whilst watching a normal television broadcast to see the time display from the broadcaster. It will remain on screen for about 5 seconds. NOTE: This display may not be available in some cases. Stereo and Bilingual transmissions For DTV programmes For stereo or dual mono broadcasts, press s and use C or c to select settings. Mode Display Stereo Pressing c Stereo S Left S Right Dual 1 S Dual 2 S Dual NOTE: Quick Menu items are different depending on the current mode. Quick menu item example Mode When viewing a TV programme or pictures from the external input Quick menu item Picture Mode Picture Size More Information Channel Options Toshiba Places YouTube USB Media Player Network Media Player Sleep Timer Headphone Level Wireless Information When using EPG Genre Colour EPG Update/ Cancel EPG Update USB Media Player (Photo Single View, Slide Show) PICTURE SOUND Interval Time Repeat Background Music Play List Sleep Timer Headphone Level Description See page 25. See page 23. See page 44. See page 47.*

*See page 33. See page 34. See page 35. See page 36. See page 43.*

*See page 22. See page 30. See page 45. See page 45. See page 25.*

*See page 21 See page 37. See page 37. See page 37. See page 37. See page 43. See page 22. Dual mono Mono Multichannel For multi-audio track broadcasts, press s repeatedly to change the audio language (see "Audio languages" on page 48). For ATV programmes 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 s to select Stereo or Mono. Bilingual... Bilingual transmissions are rare. If they are transmitted, the word Dual will be displayed. Choose the required programme number, and if the word Dual appears, press s to select Dual 1, Dual 2 or Mono. 20 CONTROLS AND FEATURES English Sound controls Volume controls and sound mute Volume Press y or Y to adjust the volume.*

*Sound Mute Press once to turn the sound off and again to cancel. Voice Enhancement Voice Enhancement emphasises the frequency range of the speaker's voice, making it easier to catch what they are saying.*



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a b In the Advanced Sound Settings menu, press B or b to select Voice Enhancement. Press C or c to select On or Off. Dual If a programme or film is being broadcast with a soundtrack in more than one language, the Dual feature allows selection between them.

Dynamic Bass Boost Dynamic Bass Boost enhances the depth of the sound on the TV speakers. The difference will only be noticeable on sound with strong bass. a b Press MENU / C c to highlight SOUND icon. Press B or b to select Dual and press C or c to choose between Dual 1 or Dual 2. a b In the Advanced Sound Settings menu, press B or b to select Dynamic Bass Boost.

Press C or c to select the desired bass expansion level (Low, High or Off). SOUND Dual Balance Advanced Sound Settings Stable Sound Dynamic Range Control Audio Level Offset Headphone Settings Audio Description Off On 0 Dual 1 Stable Sound® Stable Sound reduces the volume level differences between channels. It automatically remains on the same volume level when you change channels. a b In the SOUND menu, press B or b to select Stable Sound. Press C or c to select On or Off. Balance Dynamic Range Control This feature allows control of audio compression for some digital TV programmes (MPEG-1 and MPEG-2 audio programmes are not supported). a In the SOUND menu, press B or b to select Balance and press C or c to emphasize left or right speaker balance. a Bass, Treble In the SOUND menu, press B or b to select Dynamic Range Control. Press C or c to select On or Off. a b c In the SOUND menu, press B or b to select Advanced Sound Settings and press OK.

Press B or b to select Bass or Treble. Press C or c to change the setting. b 21 CONTROLS AND FEATURES English Audio Level Offset Sometimes there can be large changes in volume when switching from a DTV 5.1ch to a DTV 2ch, an ATV channel, or an external input. Using the Audio Level Offset feature reduces these volume differences. Audio Description Audio Description is an additional narrative sound track for visually impaired individuals to understand and enjoy the story line more fully. The letters AD will be displayed in the channel banner when programmes contain AD content. a b c d Set the volume level usually used when watching a DTV 5.1ch programme. Tune to a channel which is DTV 2ch, ATV or an external input.

In the SOUND menu, press B or b to select Audio Level Offset and press OK. Press B or b to select an option, and then press C or c to adjust the volume level.

Audio Level Offset DTV 2ch ATV External Input -5 0 0 a b In the SOUND menu, select Audio Description and press OK. Press B or b to select Audio Description and press C or c to select On. Audio Description Audio Description Mixing Level 50 On The AD button on the Remote can also be used to toggle the Audio Description feature between On and Off.

c NOTE: · The available item changes depending on the current input source. For example, while watching a DTV 2ch programme, only DTV 2ch is available and the other two items are grayed out in the menu. This allows you to easily adjust according to each condition. · When watching a DTV 5.1ch programme, this feature is not available.

To adjust the level of the audio description sound to the main sound, highlight Mixing Level and press C or c. Headphone Settings This setting is used to set the sound output when headphones are connected. Speaker Link On Off Headphone Sound is output (2 + is available.) Sound is output (Headphone level menu is available.) Speakers No sound Sound is output (2 + is available.) a b c In the SOUND menu, press B or b to select Headphone Settings and press OK. Press B or b to select Speaker Link and press C or c to select On or Off. If you select Off, then highlight Headphone Level and use C or c to adjust the headphone sound. Headphone Settings Speaker Link Headphone Level 50 Off 22 CONTROLS AND FEATURES English Widescreen viewing Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats. 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. WIDE 4:3 Use this setting to view a true 4:3 broadcast. SUPER LIVE This setting will enlarge a 4:3 image to fit the screen by stretching the image horizontally and vertically, holding better proportions at the centre of the image. Some distortion may occur. CINEMA When watching 'all sides panel format' films/video tapes, this setting will eliminate or reduce the black bars at all sides of the screen by zooming in and selecting the image without distortion. SUBTITLE When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed. SUBTITLE 14:9 Use this setting when watching a 14:9 broadcast. 23 CONTROLS AND FEATURES English NATIVE This setting will show the picture without overscan, i.e.

WYSIWYG. PC NORMAL This setting will show the picture without overscan, i.e. WYSIWYG. This option is only available when watching a PC signal source via HDMI or PC terminal.

PC WIDE This setting will show the picture without overscan or side panels. This option is only available when watching a PC signal source via HDMI or PC terminal. Dot by Dot "Dot by Dot" is a non-scaling display. Depending on the input signal format, the picture is displayed with side panels and/or bars at the top and bottom (e.g.

VGA input source). Press the button on the Remote to display the list of available widescreen formats. Press the button repeatedly to highlight the required format. The Quick Menu feature can also be used to select Picture Size. AV format Picture Size Wide 4:3 Super Live Cinema Subtitle 14:9 Native PC format Picture Size PC Normal PC Wide Dot by Dot 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. 24 CONTROLS AND FEATURES English Picture controls Most of the picture controls and functions are available in both digital and analogue modes. PLEASE NOTE: Features not available will be grayed out. Picture preferences You can customize current picture mode settings as desired.

For example, while selecting "Dynamic", if you change the following items, such as Backlight, Contrast, Brightness, Colour, Tint, Sharpness and the Advanced Picture Settings items, your new settings are saved for "Dynamic" picture mode. Picture Mode This television offers the choice of personalising the picture style. AutoView, Dynamic, Standard, Hollywood 1, Hollywood 2, Store, Game and PC are preset options and affect many features/settings within the television.



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*NOTE:* · Because the AutoView mode automatically adjusts picture settings based on ambient light conditions and input signal content, the Auto Brightness Sensor menu is grayed out when it is selected. · Store mode is only available when Location is set to Store. · Game mode is available in external input mode (other than aerial input). When you select Game mode, suitable widescreen formats will be selected. · PC mode is available in RGB/PC input mode or HDMI input mode. a b In the PICTURE menu press B or b to select either Backlight, Contrast, Brightness, Colour, Tint or Sharpness and press OK. Press C or c to adjust the settings.

*Reset* This feature resets all picture settings to the factory settings except Picture Mode. a b In the PICTURE menu, press B or b to select Reset and press OK. A confirmation message will appear. Press C or c to select Yes and press OK. a b Press MENU / C c to highlight PICTURE icon.

Press B or b to select Picture Mode. ColourMaster When ColourMaster is set to On, it allows the 'Base Colour Adjustment' feature to become available. a PICTURE Picture Mode Reset Backlight Contrast Brightness Colour Tint Sharpness 100 100 0 0 0 0 Dynamic In the PICTURE menu, press B or b to select

Advanced Picture Settings and press OK. Press b to select ColourMaster. Advanced Picture Settings ColourMaster Base Colour Adjustment Colour Temperature Auto Brightness Sensor Active Backlight Control Black/White Level Noise Reduction Cinema Mode On On High Off b c Press C or c to select the picture mode you prefer and press OK.

*NOTE:* The picture mode you select affects the current input only. You can select a different picture mode for each input. c Press C or c to select On or Off and press OK. 25 CONTROLS AND FEATURES English Base Colour Adjustment The Base Colour Adjustment feature allows the adjustment of individual colours to suit personal preference. This can be useful when using an external source. Auto Brightness Sensor When the Auto Brightness Sensor is activated, it will automatically optimise the backlighting levels to suit ambient light conditions. a b In the Advanced Picture Settings menu, press B or b to select Base Colour Adjustment and press OK. Press B or b to select an option and press c to move to the adjustment window. Base Colour Adjustment Hue Red 0 Green Blue Yellow Magenta Cyan Reset 0 0 0 0 0 a b In the Advanced Picture Settings menu, press B or b to select Auto Brightness Sensor. Press C or c to select On or Off.

Active Backlight Control Saturation 0 0 0 0 0 0 Brightness 0 0 0 0 0 0 When Active Backlight Control is activated, it will automatically optimize the backlighting levels for dark scenes. a b In the Advanced Picture Settings menu, press B or b to select Active Backlight Control. Press C or c to select On or Off. c Press C or c to select Hue, Saturation or Brightness and press B or b to adjust the settings as required. Hue Red 0 Saturation 0 Brightness -1 Black/White Level Black/White Level increases the strength of dark areas of the picture to improve the definition. a b In the Advanced Picture Settings menu, press B or b to select Black/White Level. Press C or c to select High, Middle, Low or Off. d Press BACK to return to the previous menu. To return to the factory settings, select Reset and press OK. MPEG NR Noise Reduction When watching a DVD, the compression may cause some words or picture elements to become distorted or pixelated.

Using the MPEG NR feature reduces this effect by smoothing out the edges. Colour Temperature Colour Temperature increases the 'warmth' or 'coolness' of the picture by increasing the red or blue tint. a b a b c In the Advanced Picture Settings menu, press B or b to select Colour Temperature and press OK. Press B or b to select Colour Temperature and press C or c to select Cool, Normal or Warm to suit your preference. Press B or b to select Red Level, Green Level or Blue Level and press C or c to adjust the level.

In the Advanced Picture Settings menu, press B or b to select Noise Reduction and press OK. Press b to select MPEG NR. Noise Reduction MPEG NR DNR Low Auto c Press C or c to select Low, Middle, High or Off to suit your preference. *NOTE:* To return the adjustments to the factory defaults, select Reset and press OK. DNR Digital Noise Reduction DNR allows you to 'soften' the screen representation of a weak signal to reduce the noise effect.

a b Select DNR from the Noise Reduction menu. Press C or c to select Low, Middle, High, Auto or Off. The differences may not always be noticeable (for the best result use lower settings as picture quality can be lost if the setting is too high). 26 CONTROLS AND FEATURES English Cinema Mode The frame rate of a movie film is generally 24 frames a second whereas the movie software such as DVD, etc. that you enjoy watching on television at home is 30 or 25 frames a second. The difference in frame rate may cause flickers while viewing the films on television; set the Cinema Mode to convert the signal to reproduce a smooth motion and picture quality. Blue Screen When Blue Screen is selected, the screen will turn blue and the sound will be muted on analogue channels and external input modes when no signal is received. *NOTE:* Some external input sounds may not be muted. a b a b In the PICTURE menu, press b to select Advanced Picture Settings and press OK. Press b to select Cinema Mode and press C or c select from On or Off.

In the PREFERENCES menu, press B or b to select Blue Screen. Press C or c to select On or Off. Picture Position The picture position may be adjusted to suit personal preference and can be particularly useful for external inputs. *NOTE:* When Picture Mode is set to Game or PC, this feature will be grayed out and automatically set to Off. Resetting the advanced picture settings This feature allows you to reset the current Advanced Picture Settings to the default values. a

b In the PREFERENCES menu, press B or b to select Display Settings and press OK. In the Display Settings menu, press B or b to select Picture Position. Display Settings Auto Format On Off 4:3 Stretch Picture Position PC Settings a b In the Advanced Picture Settings menu, press B or b to select Reset. Press OK. Automatic Format (Widescreen) When this television receives a true Widescreen picture and Auto format is On, it will automatically be displayed in Widescreen format irrespective of the television's previous setting.

c d Press OK to view the options available for the picture format that has been selected. Press B or b to select an option and press C or c to adjust the settings. The options differ depending on the currently selected widescreen format and the input signal. Picture Position Horizontal Position Vertical Position 0 0 Reset a b c Press MENU / C c to highlight PREFERENCES icon.



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Press B or b to select Display Settings and press OK.

Press B or b to select Auto Format and press C or c to select On or Off. Display Settings Auto Format 4:3 Stretch Picture Position PC Settings On Off To return to the original factory settings, select Reset in the Picture Position menu and press OK. Picture still 4:3 Stretch When 4:3 Stretch is activated, the size switching system changes 4:3 programmes into full screen picture. This feature is used to hold a still image on the screen. a Press r to hold an image on the screen, and press r again to cancel.

a b In the PREFERENCES menu, press B or b to select Display Settings and press OK. Press B or b to select 4:3 Stretch and press C or c to select On or Off. 27 CONTROLS AND FEATURES English Using your home network This TV is a DLNA CERTIFIED™ Player. This TV can play digital content stored on a DLNA CERTIFIED™ product with server function. If you want to use this TV as a DLNA CERTIFIED™ Player, you will have to configure the network on your TV (see page 11). If you want to use your home network, you will have to configure the network on your TV. (see page 11) Change the network settings if necessary (see "Setting up the Network" on page 29). When using a wireless home network: Wireless Interoperability The TOSHIBA Dual Band WLAN Adaptor is designed to be interoperable with any wireless LAN product that is based on Direct Sequence Spread Spectrum (DSSS)/Orthogonal Frequency Division Multiplexing (OFDM) radio technology, and is compliant to: · The IEEE 802.11 Standard on Wireless LANs (Revision a/b/g/n), as defined and approved by the Institute of Electrical and Electronics Engineers. · The TOSHIBA Dual Band WLAN Adaptor is intended for use with the RL83 series LCD TV's and should not be used with any other devices.

Use of the WLAN Adaptor in other USB products may result in damage to the WLAN Adaptor and or the equipment. Such use will void any warranty that may otherwise apply, and TOSHIBA will have no liability for any damage that may result from such use. Wireless LAN and your Health Wireless LAN products, like other radio devices, emit radio frequency electromagnetic energy. The level of energy emitted by Wireless LAN devices, however, is far less than the electromagnetic energy emitted by wireless devices such as mobile phones. Because Wireless LAN products operate within the guidelines found in radio frequency safety standards and recommendations, TOSHIBA believes Wireless LAN is safe for use by consumers. These standards and recommendations reflect the consensus of the scientific community and result from deliberations of panels and committees of scientists who continually review and interpret the extensive research literature. In some situations or environments, the use of Wireless LAN may be restricted by the proprietor of the building or responsible representatives of the organization. Such restrictions may apply in environments where the risk of interference to other devices or services is perceived or identified as harmful. If you are uncertain of the policy that applies to the use of wireless devices in a specific organization or environment, you are encouraged to ask for authorization to use the Wireless LAN device prior to turning on the equipment. This Dual Band Wireless LAN Adaptor may be operated in the following countries: AT BE CH CY CZ DE DK ES FI FR GB GR EE HU IT IE Austria Belgium Switzerland Cyprus Czech Republic Germany Denmark Spain Finland France United Kingdom Greece Estonia Hungary Italy Ireland IS LI LT LU LV MT NL NO PL PT SE SI SK BG RO TR Iceland Liechtenstein Lithuania Luxembourg Latvia Malta Netherlands Norway Poland Portugal Sweden Slovenia Slovakia Bulgaria Romania Turkey CAUTION Bluetooth™ and Wireless LAN devices operate within the same radio frequency range and may interfere with one another.

If you use Bluetooth™ and Wireless LAN devices simultaneously, you may occasionally experience a less than optimal network performance or even lose your network connection. If you should experience any such problem, immediately turn off either your Bluetooth™ or Wireless LAN device. Actual performance can vary, including lower wireless network capacity, data throughput rate, range and coverage. Performance depends on many factors, conditions and variables, including distance from the access point, volume of network traffic, building materials and construction, operating system used, mix of wireless products used, interference and other adverse conditions. How to use this Dual Band Wireless LAN Adaptor · If this device is going to be operated in the frequency range of 5.

15 GHz to 5.35 GHz, it is restricted to indoor use. · If this device is going to be operated for 802.11 b/g/n function in the frequency range of 2.454 GHz to 2.4835 GHz in France, it is restricted to indoor use. · A general authorization is required for using this device outdoors or in public places in Italy. · This device is NOT ALLOWED to be used in the geographical area within a radius of 20km from the centre of Ny-Alesund in Norway. 28 CONTROLS AND FEATURES English Setting up the Network You can select the Network Type. Assisted Setup a b c In the PREFERENCES menu, press B or b to select Network Setup and press OK. Press B or b to select Wireless Setup and press OK. Press B or b to select Assisted Setup and press OK. Wireless Setup a b Press MENU / C c to highlight PREFERENCES icon. Press B or b to select Network Setup and press OK. PREFERENCES Network Setup Teletext Network Lock Panel Lock Display Settings AV Connection Energy Saving Settings Blue Screen Auto Off Off Assisted Setup Manual Setup d Press B or b to select the desired AP and press OK.

NOTE: Check the MAC address on the label of the AP or in the manual, and select your AP. c Press B or b to select Network Type and press C or c to select Wired or Wireless. Network Setup Network Type Wireless Setup Advanced Network Setup Network Connection Test Wired e f Highlight Security Key and press OK. The Software Keyboard window will appear. Input the Security Key by using the Software Keyboard (see page 33). To save your setting, press the BLUE button. NOTE: · The Security Key must adhere to these conditions: - TKIP/AES: 8-63 ASCII or 64 Hex characters - WEP: 5 or 13 ASCII or 10 or 26 Hex characters · There is only one key ID to set for WEP encryption. NOTE: If the Dual Band WLAN Adaptor is not connected, Wireless cannot be selected. d If you selected Wired, see "Advanced Network Setup" on page 31. g Highlight Done and press OK.

NOTE: If Network Name is not displayed, see step 4 and 5 in Manual Setup below to set Network Name before pressing Done. Wireless Setup NOTE: · This feature is grayed out when the Dual Band WLAN Adaptor is not connected or Network Type is set to Wired. · When you insert or remove the wireless LAN adaptor, you must turn off your TV and unplug the power cord, and then plug and turn on again.



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· Continued connection of AP (Access Point) is not guaranteed. The connection may be disconnected while watching TV.

· Do not remove the Dual Band WLAN Adaptor when Network Type is set to Wireless or wireless communication is active. NOTE: Settings are not saved if BACK is pressed before Done is selected. Manual Setup a b c d e In the PREFERENCES menu, press B or b to select Network Setup and press OK. Press B or b to select Wireless Setup and press OK. Press B or b to select Manual Setup and press OK.

Press B or b to select Network Name and press OK. The Software Keyboard window will appear. Input the Network Name by using the Software Keyboard (see page 33). To save your setting, press the BLUE button. There are 2 methods for Wireless Setup: Assisted setup by using the Wi-Fi Routers notification information. Network name, Authentication and Encryption are decided based on information sent from the Wi-Fi router. Security key to be set manually. Manual setup Network name, Authentication, Encryption and Security Key all to be inputted manually. 29 CONTROLS AND FEATURES English f g Press B or b to select Authentication and press C or c to select Open System, Shared Key, WPA-PSK or WPA2-PSK. Press B or b to select Encryption and press C or c to select None, WEP, TKIP or AES.

NOTE: · Certain encryption types are only compatible with specific authentication types. - When Authentication is Open System, only WEP or None is compatible. - When Authentication is Shared Key, only WEP is compatible. - When Authentication is WPA-PSK or WPA2-PSK, only TKIP or AES is compatible. · When incompatible Authentication/Encryption pairings are detected, a warning message will be displayed, and no connection attempt will be made until the incompatibility is resolved. · There is only one key ID to set for WEP encryption. Wireless Information The settings configured in Wireless Setup can be confirmed. a b Press QUICK to open the Quick Menu. Press B or b to select Wireless Information and press OK. Quick Menu Picture Mode Picture Size More Information Channel Options Toshiba Places YouTube USB Media Player Network Media Player Sleep Timer Headphone Level Wireless Information 50 00:00 AutoView Super Live h i Press B or b to select Security Key and press OK.

Input the Security Key by using the Software Keyboard (see page 33). To save your setting, press the BLUE button. @@NOTE: Press the RED button to scan for all APs. @@Disconnected is displayed when the TV is not connected with the AP. @@The MAC address of the USB (Dual Band WLAN Adaptor) is displayed.

Enabled is displayed when using DHCP. Disabled is displayed when not using DHCP. @@NOTE: When Encryption is None, a message will appear.

@@@. xxx On .

. xxx . . @@ . The ad-hoc mode is not supported. @@@@. Content playback may be interrupted by various surrounding interference. 255 . 255 . 255 . NOTE: Other items will be grayed out when Auto Setup is set to On. Manual Setup: a b c d In the PREFERENCES menu, press B or b to select Network Setup and press OK.

Press B or b to select Advanced Network Setup and press OK. Press B or b to select IP Address Setup and press OK. @@@@. xxx 255 .

@@@@@To save the setting, press OK. NOTE: IP address field numbers must be between 0 and 255. @@@@. Off xxx 255 .

. . xxx 255 . @@@@@Press B or b to select Advanced Network Setup and press OK. @@Press B or b to select Advanced Network Setup and press OK.

Press B or b to select DNS Setup and press OK. @@Press B or b to select Network Connection Test and press OK. @@@@@Press B or b to select

Advanced Network Setup and press OK. Press B or b to select DNS Setup and press OK. @@.

xxx 255 Off . . xxx 255 . . @@@@To save the setting, press OK. NOTE: DNS address field numbers must be between 0 and 255. @@@@Press OK. Repeat steps 1 and 2 until you have entered all desired text. @@NOTE: If BACK is pressed, changes are not saved and the software keyboard window is closed. The text will remain as it was before starting the keyboard.

a Press MENU / C c to highlight APPLICATIONS icon and press b to select Toshiba Places and press OK. The Quick Menu feature can also be used to select Toshiba Places. b Press BbC c to select the desired place and press OK. Aa 1 @ AAA\ ABCDE H I J OPQRS VWX YZ FG T U KLMN Input operation on the remote control: Button OK 0-9 Description Inputs the selected character. Inputs the number directly. Moves the character highlight. Moves the cursor. Moves the cursor to the head of a character string. Moves the cursor to the end of a character string. Deletes 1 character to the left of the cursor.

Cycles through upper case, lower case, numbers, and symbols, if available. Chooses an accented version of the current letter, if applicable. Saves changes and closes the Software Keyboard window. Closes the Software Keyboard window without saving changes. NOTE: · Some features require an always-on broadband internet connection, firmware update and/or additional bandwidth dedicated to this product.

Third party internet services may change or be discontinued or restricted at any time. Toshiba makes no warranties, representations, or assurances about the content, availability or functionality of third-party content or services. Use of third party internet services may require registration by a computer and/or payment of charges and membership. Not all services or content may be available on this product, in your country or with your language. In order to experience the full capabilities of this product, fully compatible devices may be required.

For more information, visit <http://www.toshibaplaces.com/about>. · This service may be forcibly blocked according to the situation of CSP service. BbCc CC cc Z z RED GREEN YELLOW BLUE BACK 33 CONTROLS AND FEATURES English Using YouTube™ YouTube is a video-sharing service managed by YouTube, LLC. This TV allows you to view YouTube content. NOTE: · You need to configure a home network before using this feature (see page 11). · If Network Lock is set to On, it will be necessary to enter your four-digit PIN code in order to access network features (see page 46). Using Hybrid TV Standard (if available) Hybrid TV Standard enables the TV to receive HbbTV services. TV services which support this feature often show "press RED" on the screen.

NOTE: You need to configure a home network before using this feature (see page 11). a b c Press MENU / C c to highlight PREFERENCES icon. Press b to select Hybrid TV Standard. Press C or c to change from Disabled to Enabled. When changing from Disabled to Enabled, a Network Connection Test is performed. If the result is OK, then the setting changes to Enabled. If not, the setting remains Disabled. When "press RED" is indicated on the screen, press the RED button to access HbbTV service site, and then press BbC c to select the desired contents. a Press MENU / C c to highlight APPLICATIONS icon and press b to select YouTube and press OK.



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