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You can read the recommendations in the user guide, the technical guide or the installation guide for TOSHIBA TL939. You'll find the answers to all your questions on the TOSHIBA TL939 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual TOSHIBA TL939
User guide TOSHIBA TL939
Operating instructions TOSHIBA TL939
Instructions for use TOSHIBA TL939
Instruction manual TOSHIBA TL939

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**TL9*8 Digital
Series**
**TL939 Digital
Series**



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...ke 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. DO be careful with glass panels or stands on equipment. DO NOT REMOVE ANY FIXED COVERS AS THIS WILL EXPOSEEed. @@@@This is not a sign of a malfunction. @@@@Studies indicate that plastics may weaken and crack over time from the combination effects of chemical agents and mechanical stress (such as weight of TV).

Failure to follow these instructions could result in serious injury and/or permanent damage to TV and TV pedestal. When using a Wall Bracket Please use a wall bracket appropriate for the size and weight of the LCD TV. •Two people are required for installation. • To install a wall-mount from another manufacturer, use the SPACERS (supplied). 1 Unplug and remove any cables and/or other component connectors from the rear of the TV. 2 Carefully lay the front of the unit face down on a flat, cushioned surface such as a quilt or blanket. 3 Follow the instructions provided with your wall bracket. Before proceeding, make sure the appropriate bracket(s) are attached to the wall and the back of the TV as described in the instructions provided with the wall bracket. 4 Make sure to place the spacers supplied between the bracket and the back of the TV. 5 Always use the screws supplied or recommended by the wall mount manufacturer.

Removing the Pedestal Stand: 1 Carefully lay the front of the unit face down on a flat, cushioned surface such as a quilt or blanket. Leave the stand protruding over the edge of the surface. NOTE: Extreme care should always be used when removing the pedestal stand to avoid damage to the LCD panel. 2 Remove the four screws. Four screws 3 Once you have removed all four screws holding the pedestal stand in place, remove the pedestal stand from the TV by sliding the pedestal stand away from the TV. Screw Wall bracket Spacer (supplied) 28–32mm M8 TV back panel Place four spacers (supplied). CAUTION: The diameter and length of the screws differ depending on wall bracket model. Use of screws other than the screws specified may result in internal damage to the TV set or cause it to fall, etc. 5 INSTALLING YOUR TV English Please take note The digital reception function of this television is only effective in the countries listed in the “Country” section of the “System Setup” menu. Depending on country/area, some of this television's functions may not be available. Reception of future additional or modified services can not be guaranteed with this television. 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.



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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.: Super Live) will prevent permanent retention. 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 whilst 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.

When Using a USB Hard Drive (HDD) • The recording function has been designed for private use and entertainment in your home environment. Please note that any commercial use of the recording function could lead to copyright infringement of authors' rights. Toshiba asks you to respect the intellectual property rights of third parties. • Before recording to a device connected to the TV, make a test recording and check the recording performance. • Programmes that are prohibited from copying due to copyright protection cannot be recorded. • Toshiba shall not be liable for compensation or incidental damages of any kind whatsoever resulting from content that was not properly recorded on the recording device or that was modified or lost. • Toshiba shall not be liable for damages of any kind whatsoever (breakdown of the recording device, modification or loss of the recorded content, etc.) resulting from malfunction, operating failure or incorrect operation due to combining with another connected device. • If you connect a USB HDD that has been used with a PC or another TV, only programmes which are recorded using this TV can be playback. • Switch the TV to standby before you disconnect the USB HDD.

Not doing so may result in loss of the recorded data or malfunction of the USB HDD. • Please note that recording on the USB HDD is no longer playable after the TV's main-board is exchanged during service. 6 INSTALLING YOUR TV English The remote control Simple at-a-glance reference of your remote control. 16 To access the "TOSHIBA PLACES" Top Page When network is not connected, an error message will be displayed. 17 To access Media Player Menu 18 To call up text services 19 To access the analogue or digital Channel List 20 On-screen Menus 21 To display the digital on-screen Programme Guide 22 To page up, down, left or right 23 When using menus, the arrows move the cursor on the screen up, down, left or right. Press OK to confirm your selection 24 To return to previous Menu 25 To exit menus and applications 26 When in TV mode: D Analogue time display When in Text mode: A To reveal concealed text B To hold a wanted page C To enlarge text display size D To select a page while viewing a normal picture During Playback: c To PLAY v To STOP W/w To PAUSE/STEP Z To SKIP-BACK CC To REWIND cc To FAST FORWARD z To SKIP-FORWARD 1 2 5 4 8 9 11 16 17 20 22 24 3 6 7 10 12 13 15 14 19 18 21 23 25 26 27 28 29 When using Programme Guide: Z -24 hours z +24 hours CC -1 page cc +1 page 27 Colour buttons: Text and interactive service control buttons 28 Picture still CT-90405 29 To record DTV programmes 1 2 3 4 5 6 7 8 9 For On/Standby mode To select external input sources To select TV Mode (DTV Ant/ATV) To switch between 2D and 3D modes Widescreen viewing Inserting batteries and effective range Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the proper way. Suitable battery types for this remote are AA, IEC R6 1.5V. Do not combine a used, old battery with a new one or mix battery types. Remove exhausted batteries immediately to prevent acid from leaking into the battery compartment.

Dispose of them in accordance with instructions on page 94 of this manual. Warning: Batteries must not be exposed to excessive heat such as sunshine, fire or the like. 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. s Stereo/bilingual transmissions Digital Subtitles or Analogue TEXT Subtitle pages if available Number buttons Switch the Audio Description On/Off 10 To return to previous channel 11 To alter the TV volume 12 To display on-screen information To access the index page in Text mode 13 To mute the TV sound 14 To access Quick Menu 15 To change programme positions To change TEXT pages 7 CONNECTING YOUR TV English 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. ILLUSTRATION SHOWS 40TL938. HDMI 4 INPUT HEADPHONE jack Power cord HDMI 1/2/3 INPUTS DIGITAL AUDIO OUTPUT (OPTICAL) LAN port USB 1 port Media Player/USB HDD connection port RGB/PC INPUT SCART (EXT 1) COMPONENT VIDEO/AUDIO INPUT VIDEO/AUDIO INPUT (Y/L/R) (EXT 2) Aerial Cable Media Recorder Aerial cables:

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. Connect the aerial to the socket on the rear of the television. If you use a decoder and/or a media recorder, it is essential that the aerial cable is connected through the decoder and/or through the media recorder to the television. SCART leads:

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. Connect the media recorder IN/OUT socket to the television. Connect the decoder TV socket to the television. Before running Auto Tuning, put your decoder and media recorder to Standby.

The RCA sockets alongside the COMPONENT VIDEO INPUT sockets will accept L and R audio signals. 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 electrical equipment with digital audio and video output. It is designed for best performance with 1080i and 1080p highdefinition video signals but will also accept and display VGA, 480i, 480p, 576i, 576p and 720p signals. PC format signals will also be displayed. NOTE: Although this television is able to connect to HDMI equipment, it is possible that some equipment may not operate correctly.



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LAN port is used to connect the TV to your home network. This TV can play digital content stored on a DLNA CERTIFIED™ 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 **o** to select between TV, EXT 1, EXT 2, HDMI 1, HDMI 2, HDMI 3, HDMI 4 or PC.

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 88. NOTE: Supported Audio format: Linear PCM, Dolby Digital (AC-3), sampling rate 32/44.1/48kHz. HDMI's ARC (Audio Return Channel) feature This feature enables the audio signal of the TV to be sent to the AV amplifier via the HDMI cable.

It will not be necessary to connect a cable from the audio output of the TV to the audio input of the AV amplifier to reproduce the audio received from the tuner of the TV through the AV amplifier. the back of your television HDMI cable 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 AV amplifier that supports ARC HDMI cable HDMI device To view the HDMI device video, press the **o** button to select HDMI 1, HDMI 2, HDMI 3 or HDMI 4 mode. 9 CONNECTING YOUR TV English Connecting an HDMI CEC Control compatible device You can control the basic functions of connected audio/video devices using the television's remote control if you connect an HDMI CEC compatible AV amplifier or playback device. For an explanation of setup and operations, see pages 80–81.

the back of your television AV amplifier Playback device Playback device For the setup shown above, you will need three HDMI cables. NOTE: • If several devices are connected, the HDMI CEC Control feature may not operate properly. • For proper operation, it is recommended that you use HDMI cables with the HDMI Logo (). • This function is available when one PC and one AV amplifier are connected separately. However, it may not operate properly if the PC is connected via the AV amplifier. Before controlling the device(s): • After completing the above connections, set the HDMI CEC Control Setup menu as you desire (see page 80). • The connected devices must also be set. For details, see the operation manual for each device. • The HDMI CEC Control feature uses CEC technology as regulated by the HDMI standard. • This feature is limited to models incorporating Toshiba's HDMI CEC Control.

However, Toshiba is not liable for those operations. Refer to individual instruction manuals for compatibility information. 10 CONNECTING YOUR TV English Connecting a computer With either an HDMI or an RGB/PC connection, you can watch your computer's display on the 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 To connect a PC to the HDMI terminal When connecting a PC to the HDMI terminal on the television, use an HDMI cable (type A connector). the side of your television Computer Mini D-sub 15 pin connector Computer RGB PC cable (not supplied) HDMI cable Conversion adaptor if required (not supplied) If connecting a PC with DVI terminal, use an HDMI-to-DVI adaptor cable. the side of your television 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 87. To display the optimum picture, use the PC setting feature (see page 78). NOTE: • Some PC models cannot be connected to this television.

• An adaptor is not needed for computers with a compatible mini D-sub 15-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 System Setup menu. • Some PC models may output unique signals that the television may be unable to detect (see page 87). • If connecting a certain PC model with a unique PC signal, the PC signal may not be detected correctly. Computer HDMI-to-DVI adaptor cable For acceptable PC and video signal formats, see page 88.

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. 11 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 CERTIFIED™ 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 CERTIFIED™ products in private network environments. Connect this TV to the same router as other DLNA CERTIFIED™ 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 43. • 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. • Please consult your PC manufacturer about details of PC settings. • Wireless appliances may interfere with Intel® Wireless Display. To connect the TV to a home network with an internet connection - Wireless Please refer to "Wireless Setup" section on page 41.



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Access point (AP) Wireless LAN router Modem Computer To connect the TV to a home network Wired the back of your television Modem (if available) Router with Hub [1] [2] Server PC [2] [3] NOTE: • 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. • Make the wireless LAN appropriate security setting at the time of wireless LAN use to prevent the illegal use, spoofing and interception of communications. • Don't connect wireless LAN to a outside network directly. Apply the wireless LAN access point with router function or broadband router. Make the router appropriate security setting to prevent the illegal use. Refer to the manual of router for a security setting. Cable or Phone jack [2] To connect the TV to the PC with Intel® Wireless Display PC with Intel® Wireless Display Intel® WiDi [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.

12 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. ILLUSTRATION SHOWS 40TL938. USB 1 port Media Player/Wireless LAN adaptor ready for a home network 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 2 port Media Player/USB HDD connection port ORANGE LED – Programme timer set (digital only) RED LED – Recording RED LED – Standby GREEN LED – Power on ORANGE LED – Active Standby (Apps) 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. 3D IR Ambient Light Sensor 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. 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 1 or USB 2 port or on a network device. Please always refer to the owner's manual of the equipment to be connected for full details. NOTE: • The USB socket has limited functionality and Toshiba can take no responsibility for damage to other connected equipment.

• 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 above. 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. 13 CONNECTING YOUR TV English MENU structure To open the main menu (illustration below), press MENU on the remote control. Guide Genre Search Programme Timers Library Setup Function TV Programmes Media Player Toshiba Place 1st Layer Press MENU. TV Programmes Press C c / B. 2nd Layer Press C c. Press OK.

3rd Layer Press BbC c. Guide Genre Search Programme Timers Library Media Player Jump to Programme Guide (EPG) Jump to Genre Search Jump to Programme Timers Jump to Library USB Media Player Network Media Player Toshiba Places USB Media Player Menu Network Media Player Menu Jump to Toshiba Places NOTE: This menu item is subject to change without notice. Function On Timer Sleep Timer Setup On Timer Menu Sleep Timer Menu Picture Sound Preferences System Setup Picture Menu Sound Menu Preferences Menu System Setup Menu 14 SETTING UP YOUR TV English Startup Application Before switching on the TV make sure that your aerial is connected and any decoder / media recorder, if applicable is connected and in standby. h Press OK, and the Network Type screen will appear. Press C or c to select Wireless.

Connection Type Select a connection method. Wired Quick Setup a Press the 1 button. Toshiba logo will appear. and after that, 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 German Turkish German English • When you select Wired (LAN cable connection), skip to step 13. i Press OK, and the Wireless Setup screen will appear. Press C or c to select the Wireless Setup type. b c There are 3 methods for Wireless Setup: • Easy Setup (WPS) - If the AP supports WPS, this method can be used. WPS is an industry standard designed to make connection of wireless LAN equipment and security setup easy. WPS will automatically configure all wireless settings. NOTE: WEP encryption may not be able to configured by easy setup.

• Assisted Setup - follow step 11.



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Input the Security Key only. • Manual Setup, skip to step 12. Input the all settings. Wireless Setup Select the wireless connection method. Easy Setup 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. 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 NOTE: EXIT is available during settings. j In step 9, when you select Easy Setup; Press OK, and the Easy Setup screen will appear. Press C or c to select PBC (Push Button Configuration) or PIN (Personal Identification Number). Press b to highlight Start Scan and press OK. PBC - Following the on-screen instructions, push the appropriate button on your AP.

When a window reporting that the setup is complete appears, press OK. PIN - When the PIN code window appears, enter the displayed PIN into your AP, and then press Next to continue the PIN Setup. When a message displays to report that the setup is complete, press OK. 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 g Press OK, and the Network Setup screen will appear. Press C or c to select Yes or No.

Network Setup In order to enjoy online video, music, games, news and more provided by Toshiba Places* (Toshiba's portal to internet services) an active internet connection is required. *Availability is dependant on country selection. Do you want to setup a network connection? To cancel searching for the AP: Press BACK while searching for the AP. A message will appear, and then press C or c to select Yes and press OK. Yes • When you select No, skip to step 16.

15 SETTING UP YOUR TV English k In step 9, when you select Assisted Setup; Press OK, and the Assisted Setup screen will appear.

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. Press B or b to select Security Key and press OK. The Software Keyboard window will appear (page 45). Input the Security Key by using the Software Keyboard. 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. Press B or b to highlight Done and press OK. NOTE: • If Network Name is not displayed, see Manual Setup below to set Network Name before pressing Done. • If BACK is pressed before Done is selected, settings are not saved.

When the message "Wireless configuration is complete." appears on screen, press OK. The screen will skip to step 13. Press B or b to select Security Key and press OK. Input the Security Key by using the Software Keyboard (page 45).

To save your setting, press the BLUE button. This item is grayed out when Encryption is None. When Encryption is WEP, Key ID setting is available. Press B or b to select Key ID and press C or c to select 1(default), 2, 3 or 4. Press B or b to select Done and press OK.

When the message "Wireless configuration is complete." appears on screen, press OK. NOTE: Settings are not saved if BACK is pressed before Done is selected. m The Advanced Network Setup screen will appear. When the DHCP function of the router connected with this TV is On, you can set Auto Setup to On or Off. (This should usually be set to On.) When the DHCP function of the router is Off, set Auto Setup to Off, and set the IP Address DNS address(es) manually. Advanced Network Setup IP Address Setup Auto Setup IP Address Subnet Mask On XXX . XXX . XXX .

XXX XXX . XXX . XXX . XXX XXX . XXX . XXX . XXX l In step 9, when you select Manual Setup; Press OK, and the Manual Setup screen will appear. Press B or b to select Network Name and press OK. The Software Keyboard window will appear (page 45). Input the Network Name by using the Software Keyboard.

To save your setting, press the BLUE button. Press B or b to select Authentication and then press C or c to select Open System, Shared Key, WPAPSK or WPA2-PSK. Press B or b to select Encryption, and then 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. Default Gateway DNS Setup Auto Setup Primary DNS Address Secondary DNS Address MAC Address On XXX .

XXX . XXX . XXX XXX . XXX . XXX . XXX 00:11:22:33:44:55 Next You can view the fixed MAC address for the TV, if one is installed. Press B or b to select Next. n Press OK, and Network Connection Test will start. A message will appear to indicate if the connection was successful or if could not be completed. Network connection was completed successfully.

OK NOTE: The result of Network Connection Test does not always guarantee the connection. To cancel the Network Connection Test: Press BACK while searching for the Internet connection. 16 SETTING UP YOUR TV English o Press OK. If your country supports Network Guide, The Guide Type screen will appear. TV Guide Selection Electronic Program Guide accessed by the "GUIDE" key of your remote control: Select "MediaGuide" if you want to use the advanced rich media EPG provided through the network. *Your TV must be connected to the network. Select "Broadcast Guide" if you want to use the simple EPG provided by our local broadcast network, if any. s T Press C or c to view the DTV (digital channel) or ATV (analogue channel) lists. Use B or b to move through the list to select a channel, and then 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 / System Setup menu. Broadcast Guide Press C or c to select Broadcast Guide or MediaGuide.

NOTE: If you select MediaGuide, it may take time to access the Guide screen depending on active channel numbers.



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p Press OK. If the Ant/Cable In screen appears, press B or b to select Antenna or Cable, and then press OK to check (). Ant/Cable In Antenna Cable Ant/Cable In (if available) From this menu, you can set the RF input configuration. Next a b c Press MENU / C c to highlight Setup icon. Press B / C c to highlight System Setup icon and press OK. 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. *q* 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 then 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 - Antenna Progress DTV Tune ATV Tune 3% Waiting... Channel: C7 r d 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. Auto Tuning - Cable Found 2 When the search is complete, the television will automatically select channel one. The Auto Tuning screen will display the total number of services found. Tuning Mode Start Scan DTV Operator Selection Scan Type Start Frequency End Frequency Modulation Symbol Rate Network ID DTV and ATV Others Quick Scan Auto Auto Auto Auto 17 SETTING UP YOUR TV English 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. 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. Operator Selection: You can choose the Cable operator depending on the Country you set. a b c Press MENU / C c to highlight Setup icon.

Press B / C c to highlight System Setup icon and press OK. Press B or b to select Auto Tuning and press OK. System Setup Menu Language English Germany 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. Country Ant/Cable In Auto Tuning DTV End Frequency: This sets the frequency at which the scan will end. ATV Manual Tuning DTV Manual Tuning DTV Settings DTV Modulation: You can choose from five QAM modulation settings. Quick Setup d Press C or c to select Yes and press OK. Auto Tuning - Antenna DTV Symbol Rate: This is the baud rate (KS/s) of the scan. Tuning Mode DTV and ATV Start 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". 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 System 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. *e* Press B or b to move through the list to select a channel and press OK to view. 18 SETTING UP YOUR TV English 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 I A C 2 0 V C R a In the System Setup menu, press b to select ATV Manual Tuning and press OK. System Setup Menu Language Country Ant/Cable In Auto Tuning ATV Manual Tuning DTV Manual Tuning DTV Settings Quick Setup English Germany b Use B or b to select the desired position. We suggest Pos. 0 for a media recorder.

ATV Manual Tuning Pos. Channel Station 1 2 3 4 5 6 7 8 1 9 1 2 3 4 5 6 7 8 C2 S10 C7 S40 C22 C25 C28 C30 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 () for the selected channel. See page 20. 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 84. Station Station identification. Use the B b and C c buttons to enter up to seven characters.

2 3 Different Channel numbers may be displayed. 4 c d 5 6 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 7 8 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 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. 19 SETTING UP YOUR TV English 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 V C R Skip To prevent certain channels from being viewed, positions can be skipped. a b Select ATV Manual Tuning from the System Setup menu. Use B or b to highlight the position to be skipped and press OK to select. ATV Manual Tuning Pos. Channel 1 2 3 4 5 6 7 Station i j k Press OK to save.



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Repeat for each position you want 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. C2 S10 C7 S40 C22 C25 C28 C30 ABC1 ABC1 8 c d Press c to select Skip. Use B or b to turn Skip on. Press OK. 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. 20 SETTING UP YOUR TV English Sorting positions Channels may be moved and saved to the position of your choice. DTV Manual Tuning NOTE: This feature varies depending on the Ant/Cable In setting. a b Select ATV Manual Tuning from the System 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 5 1 6 7 8 Manual Tuning This feature is available for service engineers or can be used for direct channel entry if the multiplex channel is known. a Station Select DTV Manual Tuning from the System Setup menu and press OK.

DTV Manual Tuning - Antenna S10 C7 S40 C22 C25 C28 C30 ABC1 ABC1 Signal Strength Quality WEAK AVERAGE STRONG GOOD 67 842.0 MHz 8 MHz Channel Frequency Bandwidth Start Scan 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.

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 Type 1 2 7 40 51 ABC ONE 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. 21 SETTING UP YOUR TV English 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 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 DTV Settings Channels The channel order may be changed to suit your personal preference. a b Select DTV Settings from the System Setup menu and press OK. Select Channels and press OK. DTV Settings Channels Subtitle and Audio Parental PIN Setup Parental Control Local Time Setting Standby Channel Update Common Interface c For your convenience, you can jump to specific places in the list by one of two methods. Channels Line No. Pos. Name I/10 Antenna TV 1 2 7 30 40 51 822 823 ABC ONE ABC TWO ABC THREE CAB Channel ABC NEWS 24 ABCi AA AC Line Number Jump — Use the number buttons (0-9) to input the line number you want to select and press OK. It is also possible to change the Position number of a particular channel.

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 22 SETTING UP YOUR TV English 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. Pos. Name I/10 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. Antenna TV 1 2 7 30 40 51 822 823 ABC ONE 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 Standby Channel Update If the Standby Channel Update is set to On, when the TV is in standby mode, Digital Tuning is automatically executed. a b Select DTV Settings from the System Setup menu and press OK. Press b to select Standby Channel Update and press C or c to select On. 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. a b Select Location from the System Setup menu. Press C or c to select Home or Store.

23 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 3D Settings More Information Channel Options Sleep Timer HDMI CEC Device Control Speakers TV Speakers 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 Description See page 34. See page 32. See page 26. See page 71.

See page 75. See page 70. See page 80. See page 81. See page 31.

See page 60. See page 42. See page 71. See page 72. See page 34. See page 26. See page 30. See page 63. See page 63. See page 64.



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See page 64. See page 70. See page 81. See page 31. Stereo Dual mono Mono Multichannel 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 Single Window or 3D Single Window Quick menu item Picture Mode Picture Size 3D Settings More Information Channel Options Sleep Timer HDMI CEC Device Control Speakers Headphone Level Intel® Wireless Display Wireless Information Recording Information When using EPG USB Media Player (Photo Single View, Slide Show) Genre Colour Picture 3D Settings Sound Interval Time Repeat Background Music Play List Sleep Timer Speakers Headphone Level For multi-audio track broadcasts, press s repeatedly to change the audio language (see "Audio languages" on page 76). 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. 24 CONTROLS AND FEATURES English Using 3D functions Before using 3D programming, see and follow "3D Information" section on page 95. Viewing 3D programming requires the following: • TOSHIBA 3D Glasses FPT-AG02G (Not supplied) • Compatible 3D playback device or 3D source • 3D capable high quality HDMI cable To set the 3D glasses: a When you use for the first time, peel off the protective films from the lenses. Turn the 3D glasses on with the power switch.

Peel off b Using the 3D glasses Names and functions Lens (liquid-crystal shutter) A right and left liquidcrystal shutter opens and closes alternately with the images for the left eye and for the right eye alternately projected on the television screen. In this way, 3D images are reproduced. Power switch and power light Turns on or off the power of 3D glasses with the switch. – When working, the power light blinks once every 2 seconds. – When the power is turned off, the power light goes out.

Power switch ON OFF NOTE: If the infrared data communication between the television and 3D glasses is lost for 5 minutes, the 3D glasses turn off automatically to preserve battery life. To charge the battery: If the 3D glasses are turned on while the battery power is low, the power light will blink 5 times. (If the battery is dead, the power light will not blink or light.) a Turn the 3D glasses off with the power switch, and connect to the TV with the battery charge cable. USB Power light NOTE: • If the 3D glasses are turned on, the battery will not charge. • When the TV is turned off or in standby mode, the battery will not charge. • When charging the battery the use of a USB cable other than the battery charge cable supplied is not covered by warranty. b c Protective films Peel these off before beginning use. The power light will Light up. When the light goes out, the charging is completed.

NOTE: • It takes approximately two hours to charge the battery. • If the usage time is extremely short even after the battery has been charged fully, the battery may be worn out. Contact your dealer. Infrared reception part Receives the infrared signal for the liquidcrystal shutter control sent from the television. USB terminal When charging the battery, connect to the TV with the battery charge cable. DC IN To check the battery level: When the 3D glasses are turned on, the behavior of power light is different. • Charged: Lights up for 2 seconds • Low charge: Blinks 5 times CAUTION: Danger of explosion if battery is incorrectly disposed of. 25 CONTROLS AND FEATURES English Viewing 3D images Incoming video signals can either be in 2D or 3D format. A 2D signal can be viewed in either 2D or 3D, and 3D can be viewed in either 2D or 3D. If the TV can detect the fact that a signal is 3D, it can change to 3D mode automatically – see "Setting the auto start mode" (on page 28).

Otherwise you can change the viewing mode using the 3D button. Finally, the format of the 3D signal can be either Side by Side (SBS) or Top and Bottom (TB). You may have to choose the correct format if the TV can not detect it automatically – see "Switching display mode or selecting 3D format". Moreover, you can change 2D images to 3D images by pressing the 3D button when viewing in 2D. NOTE: • When 3D format signal is not received, display mode is not switched to 3D.

• If appropriate mode and format are not selected, 3D image is not correctly displayed. • There will be restrictions on the Picture Size settings for 3D Mode and 2D Mode. • There are individual differences in perception of 3D images. • When viewing 3D images, wear the 3D Glasses. • The 2D to 3D conversion function is activated and controlled by you according to your personal preferences. • The 2D to 3D conversion function is meant for enjoyment of 2D home video, and other 2D content you create, in 3D according to your personal preferences. • The 2D to 3D conversion function is not intended for use with pre-recorded 2D copyrighted content owned by a third-party unless the copyright owner has given direct or indirect permission, or unless applicable law permits such use. Switching display mode or selecting 3D format There are four modes for watching TV. Mode 3D 2D 2D to 3D Native Description Displays 3D images. Changes 3D images to 2D. Changes 2D images to 3D. Displays a received signal format as it is. 3D format select If a right and left images are same in Native mode, select SBS. If a top and bottom images are same in Native mode, select TB. 3D formats are the following.

3D format Side by Side (SBS) Top and Bottom (TB) Frame Packing (FP) * Description Images for the left and right eyes are positioned side-by-side. Images for the left and right eyes are positioned at the top and bottom of the screen. Image for the left and right eyes for two frames are positioned at the top and bottom of the screen. * This format cannot be selected manually. The 3D button's operation The behaviour of 3D when viewing in Native mode is different depending on the input mode. Depending on the input mode, the screen for selecting 2D or 3D is displayed or the display mode switches between 2D and 3D. To switch to 3D mode: • Set Preferences / 3D Setup / 3D Auto Start to 3D. • Press 3D while viewing 2D mode or Native mode. Trigger of Switching Display Mode Press 3D button Input Signal Type Additional Format Source Select Information Signal 3D Select 2D to 3D 3D With 3D Format Auto Detect FP Signal Information SBS TB Without 3D SBS Auto Detect Information TB 2D Format Signal * Correct 3D image 3D 3D 3D 3D 3D 3D * * * * D D 3 3 3D 3D 3D 3D 3D 3D 3D 3D 3D D 3 * 26 CONTROLS AND FEATURES English To select 3D format from the Quick menu in 3D mode: To select 2D format from the Quick menu in 2D mode: a b c d Press QUICK to display the Quick Menu.



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Press B or b to select 3D Settings and press OK.

Press B or b to select 3D Format Select and press OK. Press C or c to select 3D (SBS) or 3D (TB). Trigger of Switching Quick menu Display Mode a b c d

Press QUICK to display the Quick Menu. Press B or b to select 3D Settings and press OK. Press B or b to select 2D Format Select and press OK.

Press C or c to select Native, Side by Side (SBS) or Top and Bottom (TB). Trigger of Switching Quick menu Display Mode Input Signal Type Additional Info
Format Source Signal 3D Format Select SBS TB Input Signal 2D Format Select TB Native 3D With 3D Format Auto Detect FP Signal Information SBS TB

Without 3D SBS Auto Detect Information TB 2D Format Signal * Correct 3D image 3D 3D 3D 3D 3D 3D Type Additional Format Source SBS Info Signal 3D
With 3D FP Format Auto Detect Signal Information SBS * D D 3 3 3D 3D 3D 3D 3D * 3D * 3D 3D 3D 3D 3D 3D 3D 3D 3D * TB Without 3D

SBS Auto Detect Information TB 2D Format Signal * Correct 2D image 3D 3D 3D 3D 3D 3D 3D * 3D 3 3 3D 3D * 3D D 3 3D 3D 3D 3D 3D 3D To
switch to 2D mode: • Set Preferences / 3D Setup / 3D Auto Start to 2D. • Press 3D while viewing 3D mode or Native mode. Trigger of Switching Display

Mode Input Signal Type Additional Info Format Source Signal Press 3D button NOTE: Take off the 3D Glasses in 2D mode. To switch to Native mode: •
Press 3D while viewing 3D mode.

• Press 3D while viewing 2D to 3D mode. NOTE: When 3D format signal with 3D Auto Detect Information is received, it is not possible to switch to Native. •
From the Quick Menu in 2D mode. 3D With 3D Auto Format Detect FP Signal Information SBS TB Without 3D Auto Detect Information 2D Format Signal *

Correct 2D image SBS TB 3D 3D 3D 3D 3D 3D * * 3D 3D 3D 3D 3D 3D a b c In the Quick Menu, press B or b to select 3D Settings and press OK.

Press B or b to select 2D Format Select and press OK. Press C or c to select Native. NOTE: When Frame Packing is input, 2D Format Select will be grayed
out. 3D 3D 3D 3D 3D * 3D To switch to 2D to 3D mode: Press 3D while viewing 2D or Native mode. NOTE: Depending on the input mode, the display mode

switches between 2D and 3D. 27 CONTROLS AND FEATURES English Setting the auto start mode Controls what the TV does when it detects a 3D signal.

NOTE: Depending on the content, setting the 3D effect to a high level may result in blurring of the image contours and background. If you experience any
abnormal sensation or feel fatigue or nausea when viewing 3D images, stop watching and rest until the symptoms subside. Before viewing again, adjust the

3D effect to a lower number and view at a level at which the symptoms do not occur. a b c Press MENU / C c to highlight Setup icon. Press B / C c to
highlight Preferences icon and press OK. Press B or b to select 3D Setup and press OK. Setting the 3D PIN code Preferences 3D Setup Recording Setup

HDMI CEC Control Setup Network Setup TV Guide Selection Network Device Setup Teletext Network Lock Auto Off A 3D PIN code is necessary for using 3D
Safety Settings. To enter a new PIN code: a b c In the Preferences menu, press B or b to select 3D Setup and press OK. Press B or b to select 3D PIN and

press OK. Press the number buttons to enter a 4-digit number.

Confirm the code. NOTE: PIN code cannot be set to "0000". d e 3D 2D Off Press B or b to select 3D Auto Start. Press C or c to select 3D, 2D, or Off.

Description Displays as 3D mode automatically when 3D format signal is received.

Displays as 2D mode automatically when 3D format signal is received. Displays a screen that allows you to select 3D or 2D when 3D format signal is
received. To change or delete your PIN code: Option a b c d In the Preferences menu, press B or b to select 3D Setup and press OK. Press B or b to select 3D

PIN and press OK. Press the number buttons to enter your 4-digit PIN code.

Select Change PIN or Delete PIN and press OK. NOTE: • PIN code cannot be set to "0000". • If PIN is deleted, 3D Safety Settings is grayed out, and the
settings are reset to the factory default. Adjusting 2D to 3D Depth You can adjust the level of 3D. From the Menu: a b c In the Preferences menu, press B or b

to select 3D Setup and press OK. Press B or b to select 2D to 3D Depth and press OK. Press C or c to select 1, 2, 3, 4, or 5. The higher the number, the
stronger the 3D effect. From the Quick Menu: a b c Press QUICK on the remote to open the Quick Menu. Press B or b to select 2D to 3D Depth and press

OK.

Press C or c to select 1, 2, 3, 4, or 5. The higher the number, the stronger the 3D effect. 28 CONTROLS AND FEATURES English Setting 3D Start Message
When this feature is set to On, a message is displayed onscreen when a 3D signal is received. Setting Enable 3D Timer This feature helps to remind you not to

watch 3D video for extended periods of time. Once a set period of time has passed, a dialogue will be shown asking you if you wish to continue viewing or not.
a b c d e In the Preferences menu, press B or b to select 3D Setup and press OK. Press B or b to select 3D Safety Settings and press OK. Enter your 4-digit 3D

PIN code. Press B or b to select 3D Start Message. Press C or c to select On or Off.

a b c d e f In the Preferences menu, press B or b to select 3D Setup and press OK. Press B or b to select 3D Safety Settings and press OK. Enter your 4-digit
3D PIN code. Press B or b to select Enable 3D Timer. Press C or c to select 30, 60, 90, or 120 minutes.

To cancel the timer, select Off. Setting 3D Lock When this feature is set to On, you must enter 3D PIN code for changing display mode. a b c d e In the

Preferences menu, press B or b to select 3D Setup and press OK. Press B or b to select 3D Safety Settings and press OK. Enter your 4-digit 3D PIN code.

Press B or b to select 3D Lock. Press C or c to select On. Displaying 3D Important Info a b In the Preferences menu, press B or b to select 3D Setup and
press OK. Press B or b to select 3D Important Info and press OK. Switching left and right images The left and right eye shutter timing of the glasses can be

swapped. If 3D images look blurred, switch the left and right sides of the 3D image. Setting 3D Timer Lock When the 3D Timer Lock feature is set to On,
neither the PIN input window nor the 3D start message will be shown while the 3D Enable timer is active, even if a switch to 3D Mode occurs. This helps to

avoid asking for the 3D Lock PIN and displaying 3D start message every time when switching to 3D. NOTE: This feature cannot be selected until the 3D PIN
is set. a b c d Press QUICK on the remote to open the Quick Menu.

Press B or b to select 3D Settings and press OK. Press B or b to select Left and Right Image. Press C or c to select Swapped. a b c d e In the Preferences
menu, press B or b to select 3D Setup and press OK. Press B or b to select 3D Safety Settings and press OK. Enter your 4-digit 3D PIN code. Press B or b to

select 3D Timer Lock. Press C or c to select On. 29 CONTROLS AND FEATURES English Sound controls Volume controls and sound mute Volume Press 2+
or 2- to adjust the volume.



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