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You can read the recommendations in the user guide, the technical guide or the installation guide for LG 55EC930. You'll find the answers to all your questions on the LG 55EC930 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual LG 55EC930
User guide LG 55EC930
Operating instructions LG 55EC930
Instructions for use LG 55EC930
Instruction manual LG 55EC930



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Manual abstract:

) Do not use too much force and over tighten the screws; otherwise screw may be damaged and not tighten correctly. CAUTION yy When detaching the stand, make sure to hold it firmly while removing the screws to stop it from falling. Yy When you assemble the stand again, have the arrows on the bottom of the stand base looking toward same direction to screen. NOTE yy When you assemble the stand again, performing the stand detaching in reverse. A-4 SETTING UP THE TV Assembling the AV cover Assemble the AV Cover as shown. (Only EC93**) Tidying cables Image shown may differ from your TV. ** Stand Type ** (Only EC93**) Gather and bind the cables with the cable holder. AV cover (Only EC97**) Cable Holder (Only EC97**) 1 Put the cable management in the hole of TV back cover. AV cover (Only EC98**) Cable Management 2 EA AV cover SETTING UP THE TV A-5 2 Fix the cable management with cable management Screw. (Only EC98**) Gather and bind the cables with the cable holder.

Cable Holder M4 x L10 2 EA 3 Gather and bind the cables with the cable holder. Arrange the cable in the cable management. ** Wall Mount Type ** (Only EC93**) Cable Holder Cable Management Cable Holder CAUTION yy Do not move the TV by holding the cable holder, as the cable holder may break, and injuries and damage to the TV may occur. English Connect the TV to a wall antenna socket with an RF cable (75 Ω). nOTE yy Use a signal splitter to use more than 2 TVs.

Yy If the image quality is poor, install a signal amplifier properly to improve the image quality. Yy If the image quality is poor with an antenna connected, try to realign the antenna in the correct direction. Yy Ondersteunde DTV-audio: MPEG, Dolby Digital, Dolby Digital Plus, HE-AAC A-8 MAKING

CONNECTIONS Satellite dish Connection (Only satellite models) HDMI Connection (Only EC93**) Satellite Dish (*Not Provided) 700mA Max LNB IN 13/18V IN ANTENNA/ CABLE Satellite English Connect the TV to a satellite dish to a satellite socket with a satellite RF cable (75 Ω). HDMI (*Not Provided) DVD / Blu-Ray / PC / HD Cable Box / HD STB MAKING CONNECTIONS A-9 (Only EC97**) English Transmits the digital video and audio signals from an external device to the TV. Connect the external device and the TV with the HDMI cable as shown.

NOTE yy It is recommended to use the TV with the HDMI connection for the best image quality. Yy Use the latest High Speed HDMI™ Cable with CEC (Customer Electronics Control) function. Yy High Speed HDMI™ Cables are tested to carry an HD signal up to 1080p and higher. 1Khz, 48Khz, 96Khz, 192Khz) (Only EC97**, EC98**) 1) HDMI specifications may be different for each input port, so make sure to check the device specifications before connecting. 2) Contact customer service for more information on the HDMI specifications of each input port. 00 4:4:4 1 RGB 4:4:4 1 1: Only Supported at HDMI IN 3 Port NOTE yy When you use HDMI port 3, it is recommended that you use the cable provided. If you want to use a regular HDMI cable, use one that is a highspeed HDMI cable (3m or less). NOTA yy Cuando use un cable HDMI (puerto HDMI3), se recomienda que use el cable proporcionado. A-14 MAKING CONNECTIONS ARC (Audio Return Channel) English yy An external audio device that supports SIMPLINK and ARC must be connected using HDMI/DVI IN 1 (ARC) or HDMI(4K @ 60 Hz)/DVI IN 2 (ARC) port. Yy When connected with a high-speed HDMI cable, the external audio device that supports ARC outputs optical SPDIF without additional optical audio cable and supports the SIMPLINK function.

E MAKING CONNECTIONS A-15 DVI to HDMI Connection (Only EC93**) (Only EC98**) (4K@60Hz) (Audio in) AV2 2 CO (Audio in) AV2 IN (*Not Provided) (*Not Provided) AUDIO OUT DVI OUT DVD / Blu-Ray / PC / HD Cable Box / HD STB AUDIO OUT DVI OUT DVD / Blu-Ray / PC / HD Cable Box / HD STB (Only EC97**) English Transmits the digital video signal from an external device to the TV. Connect the external device and the TV with the DVI-HDMI cable as shown. to transmit an audio signal , connect an audio cable. NOTE yy Depending on the graphics card, DOS mode may not work if a HDMI to DVI Cable is in use. Yy When using the HDMI / DVI cable, Single link is only supported. MAKING CONNECTIONS A-17 MHL Connection (Only EC93**) English Mobile High-definition Link (MHL) is an interface for transmitting digital audiovisual signals from mobile phones to television sets. NOTE yy Connect the mobile phone to the HDMI/DVI IN 4 (MHL) or HDMI(4K @ 60 Hz)/DVI IN 4 (MHL) port to view the phone screen on the TV. Yy The MHL passive cable is needed to connect the TV and a mobile phone. Yy This only works for the MHL-enabled phone. Yy Some applications can be operated by the remote control.

Yy For some mobile phones supporting MHL, you can control with the magic remote control. DVD / Blu-Ray / HD Cable Box English Transmits analogue video and audio signals from an external device to the TV. Connect the external device and the TV with a component gender cable as shown. NOTE yy If cables are not installed correctly, it could cause this image to display in black and white or with distorted colours. English Transmits analogue video and audio signals from an external device to the TV.

Connect the external device and the TV with a composite gender cable as shown. Speaker / H/P (*Not Provided) English Transmits the headphone signal from the TV to an external device. Connect the external device and the TV with the headphone as shown. NOTE yy AUDIO menu items are disabled when connecting a headphone. Yy Optical Digital Audio Out is not available when connecting a headphone.

Yy Impedanca slušalk: 16 Ω yy Največji avdio izhod slušalk: 0,627–1,334 mW yy Velikost vtiča slušalk: 0,35 cm OPTICAL AUDIO IN Digital Audio System English You may use an external audio system instead of the built-in speaker. digital optical audio connection Transmits a digital audio signal from the TV to an external device. Connect the external device and the TV with the optical audio cable as shown. NOTE yy Do not look into the optical output port. Looking at the laser beam may damage your vision. Yy Audio with ACP (Audio Copy Protection) function may block digital audio output. MAKING CONNECTIONS A-27 USB Connection (Only EC93**) English Connect a USB storage device such as a USB flash memory, external hard drive or a USB memory card reader to the TV and access the Smart Share menu to use various multimedia files. nOTE yy Some USB Hubs may not work. If a USB device connected using a USB Hub is not detected, connect it to the USB IN port on the TV directly. Yy Connect the external power source if your USB is needed.

yy Connecting via USB 3. 0: Some USB device may not work if it dose not meet USB 3. This feature is not available in all countries. REMARQUE yy Check if the CI module is inserted into the PCMCIA CARD SLOT in the right direction. If the module is not inserted properly, this can cause damage to the TV and the PCMCIA CARD SLOT.



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Yy If the TV does not display any video and audio when CI+ CAM is connected, please contact to the Antenna/Cable/Satellite Service Operator.
OPMERKING A-32 MAKING CONNECTIONS Euro Scart Connection English Transmits the video and audio signals from an external device to the TV set.
Connect the external device and the TV set with the Scart gender cable as shown. Yy When watching digital TV in 3D imaging mode, only 2D out signals cannot be output through the SCART cable. Yy If you use the Time Machine function on digital TV, monitor out signals cannot be output through the SCART cable.

For more information on external device's connection, refer to the manual provided with each device. NOTE yy The external device connection may differ from the model. Yy Connect external devices to the TV regardless of the order of the TV port. Yy If you record a TV program on a DVD recorder or VCR, make sure to connect the TV signal input cable to the TV through a DVD recorder or VCR. For more information of recording, refer to the manual provided with the connected device.

Yy Refer to the external equipment's manual for operating instructions. Yy If you connect a gaming device to the TV, use the cable supplied with the gaming device. Yy In PC mode, there may be noise associated with the resolution, vertical pattern, contrast or brightness. If noise is present, change the PC output to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the PICTURE menu until the picture is clear. Yy In PC mode, some resolution settings may not work properly depending on the graphics card.

Yy If Ultra HD content is played via PC, the video or audio may have disruptions intermittently depending on your PC's performance. OWNER'S MANUAL
OLED TV Please read this manual carefully before operating your set and retain it for future reference. Com 2 TABLE OF CONTENTS TABLE OF CONTENTS 3 3 3 4 10 ENG ENGLISH LICENSES OPEN SOURCE SOFTWARE NOTICE EXTERNAL CONTROL DEVICE SETUP SAFETY INSTRUCTIONS - Viewing 3D Imaging 29 USING THE USER GUIDE 30 MAINTENANCE 30 30 30 Cleaning your TV - Screen, frame, cabinet and stand - Power cord 31 TROUBLESHOOTING 32 SPECIFICATIONS 12 INSTALLATION PROCEDURE 12 ASSEMBLING AND PREPARING 12 14 15 17 18 19 20 21 21 23 23 24 24 Unpacking Separate purchase Parts and buttons - Using the joystick button Lifting and moving the TV Mounting on a table Mounting on a wall Wall Type Set-up Guide - How to detach the stand Using Built-in Camera - Preparing Built-in Camera - Name of Parts of Built-in camera - Checking the Camera's Shooting Range 25 REMOTE CONTROL 27 MAGIC REMOTE FUNCTIONS 28 28 29 Registering Magic Remote How to use magic remote Precautions to Take when Using the Magic Remote WARNING yy If you ignore the warning message, you may be seriously injured or there is a possibility of accident or death. CAUTION yy If you ignore the caution message, you may be slightly injured or the product may be damaged. NOTE yy The note helps you understand and use the product safely. Please read the note carefully before using the product. IICENSES / OPEN SOURCE SOFTWARE NOTICE / EXTERNAL CONTROL DEVICE SETUP 3 LICENSES Supported licenses may differ by model. For more information about licenses, visit www. ENGLISH ENG OPEN SOURCE SOFTWARE NOTICE To obtain the source code under GPL, LGPL, MPL and other open source licenses, that is contained in this product, please visit <http://opensource>. In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping and handling) upon email request to opensource@lge.com. This offer is valid for three (3) years from the date on which you purchased the product. EXTERNAL CONTROL DEVICE SETUP To obtain the external control device setup information, please visit www.lg.com. 4 SAFETY INSTRUCTIONS SAFETY INSTRUCTIONS Please read these safety precautions carefully before using the product. ENG ENGLISH ENG ENGLISH WARNING yy not place the TV and/or remote control in the following environments: Do -- location exposed to direct sunlight A -- area witcident can occur. Contact the service centre for check, calibration or repair. Yy any of the following occur, unplug the product immediately and contact your local If service centre. -The product has been impacted by shock -The product has been damaged -Foreign objects have entered the product -The product produced smoke or a strange smell This may result in fire or electric shock. Yy Unplug the TV from AC mains wall socket if you do not intend to use the TV for a long period of time.

Accumulated dust can cause fire hazard and insulation deterioration can cause electric leakage/shock/fire. Yy Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus. ENG ENGLISH ENG ENGLISH SAFETY INSTRUCTIONS 7 CAUTION yy Install the product where no radio wave occurs. ENGLISH ENG yy There should be enough distance between an outside antenna and power lines to keep the former from touching the latter even when the antenna falls. this may cause an electric shock.

Yy not install the product on places such as unstable shelves or inclined surfaces. Do Also avoid places where there is vibration or where the product cannot be fully supported. Otherwise, the product may fall or flip over, which may cause injury or damage to the product. Yy you install the TV on a stand, you need to take actions to prevent the product If from overturning. Otherwise, the product may fall over, which may cause injury.

Yy you intend to mount the product to a wall, attach VESA standard mounting interface (optional If parts) to the back of the product. When you install the set to use the wall mounting bracket (optional parts), fix it carefully so as not to drop. Yy Only use the attachments / accessories specified by the manufacturer. Yy When installing the antenna, consult with a qualified service technician. If not installed by a qualified technician, this may create a fire hazard or an electric shock hazard. Yy recommend that you maintain a distance of at least 2 to 7 times the diagonal We screen size when watching TV. If you watch TV for a long period of time, this may cause blurred vision. Yy Only use the specified type of battery. This could cause damage to the remote control. Yy not mix new batteries with old batteries.

Do This may cause the batteries to overheat and leak. yy Batteries should not be exposed to excessive heat. For example, keep away from direct sunlight, open fireplace and electric heaters . yy not place non-rechargeable batteries in charging device. Do yy Make sure there are no objects between the remote control and its sensor. Yy Signal from Remote Control can be interrupted due to external/internal lighting eg Sunlight, fluorescent lighting.



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If this occurs turn off lighting or darken viewing area. Yy When connecting external devices such as video game consoles, make sure the connecting cables are long enough. Otherwise, the product may fall over, which may cause injury or damage the product. 8 SAFETY INSTRUCTIONS yy not turn the product On/Off by plugging-in or unplugging the power plug to the Do wall outlet.

(Do not use the power plug for switch.) It may cause mechanical failure or could give an electric shock. Yy Please follow the installation instructions below to prevent the product from overheating. -The distance between the product and the wall should be more than 10 cm. -- not install the product in a place with no ventilation (e.

-- not install the product on a carpet or cushion. Do -Make sure the air vent is not blocked by a tablecloth or curtain. Otherwise, this may result in fire. Yy Take care not to touch the ventilation openings when watching the TV for long periods as the ventilation openings may become hot. This does not affect the operation or performance of the product.

Yy Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized servicer. Yy Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance. Yy not press strongly upon the panel with a hand or sharp object such as nail, Do pencil or pen, or make a scratch on it, as it may cause damage to screen. Yy Avoid touching the screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary or permanent distortion/damage to screen. Yy When cleaning the product and its components, unplug the power first and wipe it with a soft cloth. applying excessive force may cause scratches or discolouration. Do not spray with water or wipe with a wet cloth. never use glass cleaner , car or industrial shiner , abrasives or wax , benzene , alcohol etc.

, which can damage the product and its panel. Otherwise, this may result in fire, electric shock or product damage (deformation, corrosion or breakage). Yy long as this unit is connected to the AC wall outlet, it is not disconnected from the AC power As source even if you turn off this unit by SWITCH. Yy When unplugging the cable, grab the plug and unplug it, by pulling at the plug. Don't pull at the cord to unplug the power cord from the power board, as this could be hazardous. Yy When moving the product, make sure you turn the power off first. Then, unplug the power cables, antenna cables and all connecting cables.

The TV set or power cord may be damaged, which may create a fire hazard or cause electric shock. ENG ENGLISH ENG ENGLISH SAFETY INSTRUCTIONS 9 yy When moving or unpacking the product, work in pairs because the product is heavy. Otherwise, this may result in injury.

Yy Contact the service centre once a year to clean the internal parts of the product. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped. Yy the product feels cold to the touch, there may be a small "flicker" when it is If turned on. This is normal, there is nothing wrong with product. Yy panel is a high technology display product with resolution of two million to six The million pixels.

You may see tiny black dots and/or brightly coloured dots (red, blue or green) at a size of 1 ppm on the panel. This does not indicate a malfunction and does not affect the performance and reliability of the product. This phenomenon also occurs in third-party products and is not subject to exchange or refund. Yy may find different brightness and colour of the panel depending on your viewYou ing position(left/right/top/down). This phenomenon occurs due to the characteristic of the panel.

It is not related with the product performance, and it is not malfunction. , broadcasting channel logo, on-screen menu, scene from a video game or computer screen) for a prolonged time may cause damage to the screen, resulting in retention of the image, which is known as image sticking. It can remain for long time or never disappear. The warranty does not cover the product for image sticking. Avoid displaying a fixed image on your television's screen for a prolonged period (1 or more hours for OLED). Also, if you watch the TV at a ratio of 4:3 for a long time, image sticking may occur on the borders of the panel. This phenomenon also occurs in third-party products and is not subject to exchange or refund. Yy Generated Sound "Cracking" noise: A cracking noise that occurs when watching or turning off the TV is generated by plastic thermal contraction due to tempera-ture and humidity. This noise is common for products where thermal deformation is required. Electrical circuit humming/panel buzzing: A low level noise is generated from a high-speed switching circuit, which supplies a large amount of current to operate a product.

it varies depending on the product. This generated sound does not affect the performance and reliability of the product. 10 SAFETY INSTRUCTIONS Viewing 3D Imaging WARNING Viewing Environment yy Viewing Time -- When watching 3D contents, take 5 - 15 minute breaks every hour. Viewing 3D contents for a long period of time may cause headache, dizziness, fatigue or eye strain. Those that have a photosensitive seizure or chronic illness yy Some users may experience a seizure or other abnormal symptoms when they are exposed to a flashing light or particular pattern from 3D contents. Yy Do not watch 3D videos if you feel nausea, are pregnant and/ or have a chronic illness such as epilepsy, cardiac disorder, or blood pressure disease, etc. Yy 3D Contents are not recommended to those who suffer from stereo blindness or stereo anomaly. double images or discomfort in viewing may be experienced. Yy If you have strabismus (cross-eyed), amblyopia (weak eyesight) or astigmatism, you may have trouble sensing depth and easily feel fatigue due to double images. It is advised to take frequent breaks than the average adult.

Yy If your eyesight varies between your right and left eye, revise your eyesight prior to watching 3D contents. Symptoms which require discontinuation or refraining from watching 3D contents yy Do not watch 3D contents when you feel fatigue from lack of sleep, overwork or drinking. Yy When these symptoms are experienced, stop using/watching 3D contents and get enough rest until the symptom subsides. -- Consult your doctor when the symptoms persist. symptoms may include headache , eyeball pain , dizziness , nausea , palpitation , blurriness , discomfort , double image , visual inconvenience or fatigue.



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ENG ENGLISH ENG ENGLISH SAFETY INSTRUCTIONS 11 CAUTION Viewing Environment yy Viewing Distance -- Maintain a distance of at least twice the screen diagonal length when watching 3D contents. If you feel discomfort in viewing 3D contents, move further away from the TV. Viewing Age yy Infants/Children -- Usage/ Viewing 3D contents for children under the age of 6 are prohibited. -- Children under the age of 10 may overreact and become overly excited because their vision is in development (for example: trying to touch the screen or trying to jump into it. Special monitoring and extra attention is required for children watching 3D contents.

Do not sit closer to the TV than the recommended distance. Cautions when using the 3D glasses yy Make sure to use LG 3D glasses. Otherwise, you may not be able to view 3D videos properly. yy Do not keep your 3D glasses in extremely high or low temperatures. it will cause deformation. yy The 3D glasses are fragile and are easily scratched. Always use a soft, clean piece of cloth when wiping the lenses. yy New features may be added to this TV in the future. yy Some models have a thin film attached on to the screen and this must not be removed. yy NOTE The yy items supplied with your product may vary depending on the model.

Product specifications or contents of this manual may be changed without prior notice due to upgrade yy of product functions. For yy an optimal connection, HDMI cables and USB devices should have bezels less than 10 mm thick and 18 mm width. Use an extension cable that supports USB 2. 0 if the USB cable or USB memory stick does not fit into your TV's USB port. 27) P P Owner's manual Cinema 3D glasses The number of 3D glasses may differ depending on the model or country. A-5) Cleaning Cloth (Depending on model) 14 ASSEMBLING AND PREPARING Separate purchase Separate purchase items can be changed or modified for quality improvement without any notification. Contact your dealer to buy these items. These devices only work with certain models. AG-F*** Cinema 3D Glasses AN-MR500 Magic Remote AN-VC5** Video call camera AG-F***DP Dual Play Glasses ENG ENGLISH ENG ENGLISH LG Audio Device Tag on Compatibility AG-F*** Cinema 3D Glasses AN-MR500 Magic Remote AN-VC5** Video call camera AG-F***DP Dual Play Glasses LG Audio Device Tag on EC93**EC97** ..EC98** The model name or design may be changed depending on the upgrade of product functions, manufacturer's circumstances or policies. ASSEMBLING AND PREPARING 15 Parts and buttons A type: EC93** <Front> Screen <Rear> ENGLISH ENG Speakers Remote Control Sensor and Intelligent Sensor1 LG Logo Light Joystick button2 B type: EC97** Built-In Camera Screen Speakers Remote Control Sensor and Intelligent Sensor1 LG Logo Light Joystick button Joystick button3 3 16 ASSEMBLING AND PREPARING C type: EC98** <Front> Built-In Camera Screen <Rear> ENG ENGLISH ENG ENGLISH Speakers LG Logo Light Remote Control Sensor and Intelligent Sensor1 Joystick button2 1 Intelligent sensor - Adjusts the image quality and brightness based on the surrounding environment.

NOTE You yy can set the LG Logo Light to on or off by selecting GENERAL in the main menus. ASSEMBLING AND PREPARING 17 Using the joystick button You can operate the TV by pressing the button or moving the joystick left, right, up, or down. ENGLISH ENG Basic Functions When the TV is turned off, place your finger on the joystick button and press it once and release it. Power On Power Off When the TV is turned on, place your finger on the joystick button and press it once for a few seconds and release it. Volume Control If you place your finger over the joystick button and move it left or right, you can adjust the volume level you want.

Programmes Control If you place your finger over the joystick button and move it up or down, you can scrolls through the saved programmes you want.

NOTE yy When your finger over the joystick button and push it to the up, down, left or right, be careful not to press the joystick button. If you press the joystick button first, you may not be able to adjust the volume level and saved programmes. Adjusting the Menu When the TV is turned on, press the joystick button one time. You can adjust the Menu items (,) moving the joystick button left or right.

18 ASSEMBLING AND PREPARING Lifting and moving the TV Please note the following advice to prevent the TV from being scratched or damaged and for safe transportation regardless of its type and size. When transporting a large TV, there should be yy at least 2 people. When transporting the TV by hand, hold the yy TV as shown in the following illustration. ENG ENGLISH ENG ENGLISH CAUTION yy Avoid touching the screen at all times, as this may result in damage to the screen. It yy is recommended to move the TV in the box or packing material that the TV originally came in. Before moving or lifting the TV, disconnect the yy power cord and all cables. When holding the TV, the screen should face yy away from you to avoid damage. When transporting the TV, do not expose the yy TV to jolts or excessive vibration. When transporting the TV, keep the TV yy upright, never turn the TV on its side or tilt towards the left or right. Do yy not apply excessive pressure to cause flexing/bending of frame chassis as it may damage screen.

Be yy sure to keep your TV upright instead of laying or tilting it while moving the TV. When handling the TV, be careful not to yy damage the protruding joystick button. yy Hold the top and bottom of the TV frame firmly. Make sure not to hold the transparent part, speaker, or speaker grill area. ASSEMBLING AND PREPARING 19 Mounting on a table 1 Lift and tilt the TV into its upright position on a table. - Leave a 10 cm (minimum) space from the wall for proper ventilation. 10 cm Securing the TV to a wall (This feature is not available for all models.) To use the desk-type stand safely, make sure to securely attach it to a wall. ENGLISH ENG 10 cm 10 cm 10 cm 10 cm 10 cm 10 cm 5 cm 10 cm 1 Insert and tighten the eye-bolts, or TV brackets and bolts on the back of the TV. -- If there are bolts inserted at the eye-bolts position, remove the bolts first.

2 Mount the wall brackets with the bolts to the wall. Match the location of the wall bracket and the eye-bolts on the rear of the TV. 3 Connect the eye-bolts and wall brackets tightly with a sturdy rope. Make sure to keep the rope horizontal with the flat surface. 2 Connect the power cord to a wall outlet.

CAUTION yy Make sure that children do not climb on or hang on the TV. CAUTION yy not place the TV near or on sources of Do heat, as this may result in fire or other damage. NOTE yy Use a platform or cabinet that is strong and large enough to support the TV securely. yy Brackets , bolts and ropes are not provided. You can obtain additional accessories from your local dealer.



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20 ASSEMBLING AND PREPARING Mounting on a wall Attach an optional wall mount bracket at the rear of the TV carefully and install the wall mount bracket on a solid wall perpendicular to the floor. When you attach the TV to other building materials, please contact qualified personnel. LG recommends that wall mounting be performed by a qualified professional installer. We recommend the use of LG's wall mount bracket. When you do not use LG's wall mount bracket, please use a wall mount bracket where the device is adequately secured to the wall with enough space to allow connectivity to external devices. Model VESA (A x B) A B 77EC98** ENG ENGLISH ENG ENGLISH 400 x 400 Standard screw Number of screws Wall mount bracket M6 4 LSW420BX 10 cm CAUTION 10 cm yy Disconnect the power first, and then move or install the TV. Otherwise electric shock may occur. Yy If you install the TV on a ceiling or slanted wall, it may fall and result in severe injury. Use an authorized LG wall mount and contact the local dealer or qualified personnel. Yy Do not over tighten the screws as this may cause damage to the TV and void your warranty.

Yy Use the screws and wall mounts that meet the VESA standard. Any damages or injuries by misuse or using an improper accessory are not covered by the warranty. 10 cm 10 cm Make sure to use screws and wall mount bracket that meet the VESA standard. Standard dimensions for the wall mount kits are described in the following table. Separate purchase(Wall Mounting Bracket) Model (A) A 55EC93** 65EC97** NOTE 210 210 yy Use the screws that are listed on the VESA standard screw specifications. Yy The wall mount kit includes an installation manual and necessary parts. Yy The wall mount bracket is not provided. You can obtain additional accessories from your local dealer. Yy The length of screws may differ depending on the wall mount. Make sure to use the proper length.

Yy For more information, refer to the manual supplied with the wall mount. Standard screw Number of screws Wall mount bracket M6 2 OSW100 M6 2 OSW200 ASSEMBLING AND PREPARING 21 Wall Type Set-up Guide (Only EC98** - Seperate purchase) Guide spacer assembly 1 Remove the VESA screws (4EA). How to detach the stand Type 1. Hanging the TV on the wall before removing a stand. eNGLISH ENG 1 Wall mount bracket 2 VESA screw 2 Assemble Guide spacer (4EA) and Guide spacer screws (4EA).

3 Guide spacer screw Guide spacer 4 Wall mount bracket installation 1 After installation, move the bracket forward. stand 5 22 ASSEMBLING AND PREPARING Type 2. Hanging the TV on the wall after removing a stand. 4 ENG ENGLISH ENG ENGLISH 1 Wall mount bracket 5 CAUTION yy When laying the TV on its back on a padded table or surface, be careful to prevent the TV from being damaged. 2 6 3 Stand ASSEMBLING AND PREPARING 23 Using Built-in Camera (Only EC97**, EC98**) You can make a Skype video call or use the motion recognition function using the built-in camera of the TV.

This TV does not support the use of an external camera. Preparing Built-in Camera 1 Pull up the built-in camera at the back of the TV. Angle Adjustment Lever Slide ENGLISH ENG NOTE yy Before using the built-in camera, you must recognize the fact that you are legally responsible for the use or misuse of the camera by the relevant national laws including the criminal law. Yy The relevant laws include the Personal Information Protection law which regulates the processing and transferring of personal information and the law which regulates the monitoring by camera in a workplace and other places. yy When using the built-in camera, avoid questionable, illegal, or immoral situations. Other than at public places or events, consent to be photographed may be required. We suggest avoiding the following situations: (1) Using the camera in areas where the use of camera is generally prohibited such as restroom, locker room, fitting room and security area. (2) Using the camera while causing the infringement of privacy. (3) Using the camera while causing the violation of the relevant regulations or laws. NOTE Remove the protective film before using the yy built-in camera.

2 You can adjust the angle of the camera with the angle adjustment lever on the back on the back of the built-in camera. [Side View] 7 5 Lever Lens 7 5 24 ASSEMBLING AND PREPARING 3 Push down the built-in camera when you are not using it. ENG ENGLISH ENG ENGLISH Name of Parts of Built-in camera Camera Lens Protective Film Microphone Checking the Camera's Shooting Range 1 Press the (Home) button on the remote control to display the HOME menu. 2 Select CAMERA and then press the Wheel(OK) button. NOTE The yy optimal distance from the camera to use the motion recognition function is between 1. REMOTE CONTROL 25 REMOTE CONTROL (Depending on model) The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully and use the TV correctly. To replace batteries, open the battery cover, replace batteries (1.5 V AAA) matching the and ends to the label inside the compartment, and close the battery cover. To remove the batteries, perform the installation actions in reverse. ENGLISH ENG or CAUTION yy Do not mix old and new batteries, as this may damage the remote control. Yy The remote control will not be included for all sales market. Make sure to point the remote control toward the remote control sensor on the TV. INFO Views the information of the current programme and screen. (Space) Opens an empty space on the screen keyboard.

PAGE Moves to the previous or next screen. OPT) These buttons are used for teletext. REC/ Starts to record and displays record menu. (only Time MachineReady support model) Control buttons () Controls the Premium contents, Time MachineReady or SmartShare menus or the SIMPLINK compatible devices (USB or SIMPLINK or Time MachineReady). 2 Coloured buttons These access special functions in some menus.

INFO Views the information of the current programme and screen. (Space) Opens an empty space on the screen keyboard. PAGE Moves to the previous or next screen. ENG ENG ENGLISH ENGLISH FAV P P A G E 1 Time Machine SUBTITLE Coloured buttons These access special functions in some menus. (: Red, : Green, : Yellow, : Blue) 1 Teletext buttons(TEXT / T. OPT) These buttons are used for teletext.) (Depending on model) Control buttons () Controls the Premium contents, Time MachineReady or SmartShare menus or the SIMPLINK compatible devices (USB or SIMPLINK or Time MachineReady). LIVE TV Returns to LIVE TV. REC/ Starts to record and displays record menu. (only Time MachineReady support model) SUBTITLE Recalls your preferred subtitle in digital mode.

To replace batteries, open the battery cover, replace batteries (1.5 V AA) matching and ends to the label inside the compartment, and close the battery cover. Be sure to point the remote control toward the remote control sensor on the TV. To remove the batteries, perform the installation actions in reverse.



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ENGLISH ENG yy not mix old and new batteries, as this may damage the remote control. do CAUTION (POWER) Turns the TV on or off. Navigation buttons (up/down/left/right) Press the up, down, left or right button to scroll the menu. If you press buttons while the pointer is in use, the pointer will disappear from the screen and Magic Remote will operate like a general remote control. To display the pointer on the screen again, shake Magic Remote to the left and right.

INPUT Wheel(OK) Press the center of the Wheel button to select a menu.

You can change programmes by using the wheel button. (Depending on model) * Pressing and holding the button will display a menu to select an external device that is connected to the TV. 1 (Depending on model) Used for viewing 3D video. 1 (Depending on model) Coloured buttons These access special functions in some menus. (: Red : Green : Yellow : Blue) Adjusts the volume level.

Press the button for a second to use the eGallery service that you can enjoy the famous paintings and iconic photographs. Speak when the voice display window appears on the left of the TV screen. □ The voice recognition may fail when you speak too fast or too slow. □ Use the Magic remote control no further than 10 cm from your face. □ The recognition rate may vary depending on the user's characteristics (voice, pronunciation, intonation and speed) and the environment (noise and TV volume).

How to use magic remote S yy□ hake the Magic Remote slightly to the right and left or press (Home) , buttons to make the pointer appear on the screen. (In some TV models, the pointer will appear when you turn the Wheel button.) I yy□f the pointer has not been used for a certain period of time or Magic Remote is placed on a flat surface, then the pointer will disappear. I yy □f the pointer is not responding smoothly, you can reset the pointer by moving it to the edge of the screen. □ T yy □ he Magic Remote depletes batteries faster than a normal remote due to the additional features. ENG ENG ENGLISH ENGLISH

Registering Magic Remote How to register the Magic Remote BACK HOME To use the Magic Remote, first pair it with your TV. 1 □ ut batteries into the Magic P Remote and turn the TV on. 2 □ oint the Magic Remote at P your TV and press the Wheel (OK) on the remote control. * □f the TV fails to register the I Magic Remote, try again after turning the TV off and back on. (Wheel) P MY APPS How to deregister the Magic Remote (BACK) (Home) Press the (BACK) and (Home) buttons at the same time, for five seconds, to unpair the Magic Remote with your TV.

* □ pressing and holding the P (EXIT TO LIVE) button will let you cancel and re-register Magic Remote at once. MAGIC REMOTE FUNCTIONS / USING THE USER GUIDE 29 Precautions to Take when Using the Magic Remote Use the Magic Remote within the maximum yy communication distance (10 m). Using the Magic Remote beyond this distance, or with an object obstructing it, may cause a communication failure. a yy communication failure may occur due to nearby devices. Electrical devices such as a microwave oven or wireless LAN product may cause interference, as these use the same bandwidth (2.4 GHz) as the Magic Remote. The yy Magic Remote may be damaged or may malfunction if it is dropped or receives a heavy impact. Take care not to bump into nearby furniture yy or other people when using the Magic Remote. Manufacturer and installer cannot provide yy service related to human safety as the applicable wireless device has possibility of electric wave interference. It yy is recommended that an Access Point (AP) be located more than 1 m away from the TV.

If the AP is installed closer than 1 m, the Magic Remote may not perform as expected due to frequency interference. USING THE USER GUIDE User Guide allows you to more easily access the detailed TV information. 1 Press the (Home) button to access the Home menu. wheel(OK) ENGLISH ENG 2 Select User Guide and press the button. σ NOTE You yy can also access the User Guide by pressing (User Guide) in the remote control.

(Depending on model) 30 MAINTENANCE MAINTENANCE Cleaning your TV Clean your TV regularly to keep the best performance and to extend the product lifespan. ENG ENG ENGLISH ENGLISH CAUTION yy Make sure to turn the power off and disconnect the power cord and all other cables first. Yy When the TV is left unattended and unused for a long time, disconnect the power cord from the wall outlet to prevent possible damage from lightning or power surges. Screen, frame, cabinet and stand yy To remove dust or light dirt, wipe the surface with a dry, clean, and soft cloth. Yy To remove major dirt, wipe the surface with a soft cloth dampened in clean water or a diluted mild detergent.

Then wipe immediately with a dry cloth. CAUTION yy Avoid touching the screen at all times, as this may result in damage to the screen. Yy Do not push, rub, or hit the screen surface with your fingernail or a sharp object, as this may result in scratches and image distortions. Yy Do not use any chemicals as this may damage the product. Yy Do not spray liquid onto the surface. If water enters the TV, it may result in fire, electric shock, or malfunction. Power cord Remove the accumulated dust or dirt on the power cord regularly. TROUBLESHOOTING 31 TROUBLESHOOTING Problem Cannot control the TV with the remote control. no image display and no sound is produced. The TV turns off suddenly.

Solution yy Check the remote control sensor on the product and try again. Yy Check if there is any obstacle between the product and the remote control. Yy Check if the batteries are still working and properly installed (to , to yy Check if the product is turned on. Yy Check if the power cord is connected to a wall outlet. @@ yy Check the power control settings. The power supply may be interrupted. @@@@Yy Turn the TV off/on using the remote control. yy Reconnect the HDMI cable. Yy Restart the PC with the TV on. eNGLISH ENG).

@@) 10dBm or Lower yy Because band channel used by the country could be different, the user can not change or adjust the operating frequency and this product is set for the regional frequency table. Yy This device should be installed and operated with minimum distance 20 cm between the device and your body. And this phrase is for the general statement for consideration of user environment.) yy Because band channel used by the country could be different, the user can not change or adjust the operating frequency and this product is set for the regional frequency table. Yy This device should be installed and operated with minimum distance 20 cm between the device and your body.

And this phrase is for the general statement for consideration of user environment. Com 2 TABLE DES MATIÈRES TABLE DES MATIÈRES 3 3 FRANÇAIS FRA LICENCES INFORMATIONS SUR LES LOGICIELS LIBRES CONFIGURATION DU PÉRIPHÉRIQUE DE CONTRÔLE EXTERNE CONSIGNES DE SÉCURITÉ - Visionnage d'images 3D 29 UTILISATION DU GUIDE DE L'UTILISATEUR 30 MAINTENANCE 30 30 30 Nettoyage de votre TV - Écran, cadre, boîtier et support - Cordon d'alimentation 3 31 DÉPANNAGE 32 SPÉCIFICATIONS 4 10 12 PROCÉDURE D'INSTALLATION 12 ASSEMBLAGE ET PRÉPARATION 12 14 15 17 18 19 20 21 21 23 23 24 24 Déballage Achat séparé Pièces et boutons - Utilisation du bouton du joystick Soulever et déplacer la TV Installation sur une table Fixation du support mural Guide de configuration pour type mural - Comment retirer le support Utilisation de la caméra intégrée - Préparation de la caméra intégrée - Nom des pièces de la caméra intégrée - Vérification de la plage de prise de vue de la caméra AVERTISSEMENT yy Si vous ignorez ces messages d'avertissement, vous risquez d'être gravement blessé, de provoquer un accident ou d'entraîner la mort.



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25 TÉLÉCOMMANDE 27 FONCTIONS DE LA MAGIC REMOTE 28 28 29 Enregistrement de la télécommande magic remote Comment utiliser la télécommande magic remote Consignes relatives à l'utilisation de la télécommande magic remote ATTENTION yy Si vous ignorez ces messages de sécurité, vous risqueriez de vous blesser légèrement ou d'endommager le produit. 20 ASSEMBLAGE ET PRÉPARATION Fixation du support mural Prenez les précautions nécessaires pour fixer le support mural en option à l'arrière de la TV. Si vous n'utilisez pas le support mural LG, veuillez utiliser un support mural permettant une fixation solide de l'appareil au mur et offrant suffisamment d'espace pour permettre la connexion de périphériques externes.

3 Vis pour guide d'espacement Guide d'espacement Installation du support de fixation murale 1 Après installation, déplacez le support de fixation murale vers l'avant. FONCTIONS DE LA TÉLÉCOMMANDE MAGIC REMOTE / UTILISATION DU GUIDE DE L'UTILISATEUR 29 Consignes relatives à l'utilisation de la télécommande magic remote La yy télécommande doit toujours se trouver à une distance de communication maximum de 10 m. Cuando no use el soporte de montaje en pared de LG, use uno en el que se pueda asegurar adecuadamente el dispositivo a la pared, con espacio suficiente para poder conectar otros dispositivos externos. SLOVENŠČINA SL 32 SPECIFIKACIJE SPECIFIKACIJE (Samo modeli EC93**) Specifikacije brezžičnega modula (LGSBW41) Brezžičnega adapterja LAN Standard Frekvenčni razpon IEEE 802,11a/b/g/n Standard 2400 do 2483,5 MHz 5150 do 5250 MHz Frekvenčni razpon 5725 do 5850 MHz (Za države izven EU) 802,11a: 13 dBm 802,11b: 15 dBm 802,11g: 14 dBm 802,11n - 2,4GHz: 16 dBm 802,11n - 5GHz: 16 dBm Bluetooth Različica Bluetooth 3,0 2400 do 2483,5 MHz Izhodna moč (največ) Izhodna moč (največ) 10 dBm ali manj yy je v državi lahko uporabljen drug pasovni kanal, uporabnik ne more spremeniti ali prilagoditi delovne Ker frekvence, ta izdelek pa je nastavljen v skladu s podatki v tabeli z regionalnimi frekvenkami. (Samo modeli EC97**, EC98**) Wireless module(LGSWF41)Specifications Standard 0197 0197 IEEE 802,11a/b/g/n/ac 2400 do 2483,5 MHz 5150 do 5250 MHz 5725 do 5850 MHz (Za države izven EU) 802,11a: 14,5 dBm 802,11b: 16 dBm 802,11g: 13,5 dBm 802,11n - 2,4GHz: 14 dBm 802,11n - 5GHz: 15,5 dBm 802,11ac - 5GHz : 16 dBm Specifikacije modula Bluetooth (BM-LDS401) Frekvenčni razpon Izhodna moč (največ) SLOVENŠČINA SL Standard Frekvenčni razpon Izhodna moč (največ) Različica Bluetooth 3,0 2400 ~ 2483,5 MHz 10 dBm ali manj yy je v državi lahko uporabljen drug pasovni kanal, uporabnik ne more spremeniti ali prilagoditi delovne Ker frekvence, ta izdelek pa je nastavljen v skladu s podatki v tabeli z regionalnimi frekvenkami. 0197 0197 SPECIFICATIONS B-1 SPECIFICATIONS Product specifications may be changed without prior notice due to upgrade of product functions. 0 mm Operating Temperature Environment condition Operating Humidity Storage Temperature Storage Humidity Digital TV Television system Programme coverage DVB-T/T2 DVB-C DVB-S/S2 VHF, UHF C-Band, Ku-Band 0 °C to 40 °C Less than 80 % -20 °C to 60 °C Less than 85 % Analogue TV PAL/SECAM B/G/I/D/K SECAM L/L' VHF: E2 to E12, UHF : E21 to E69, CATV: S1 to S20, HYPER: S21 to S47 CI Module Size (W x H x D) Maximum number of storable programmes External antenna impedance DVB-S/S2 : 6,000 DVB-T/T2/C & Analogue TV : 1,500 75 Ω Please contact LG First. If you have any inquiries or comments, please contact LG customer information centre. 0 mm x 5. 0,60€ pro Anruf) 801 11 200 900, 210 4800 564 06 40 54 54 54 01 686 9454 199600099 8 820 0071 1111 Latvija 80200201 880008081 Country Service 0900 543 5454 800 187 40 801 54 54 54 808 78 54 54 031 228 3542 0850 111 154 902 500 234 0770 54 54 54 Record the model number and serial number of the TV.

Refer to the label on the back cover and quote this information to your dealer when requiring any service. .



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