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You can read the recommendations in the user guide, the technical guide or the installation guide for LG 24MN33D. You'll find the answers to all your questions on the LG 24MN33D in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual LG 24MN33D
User guide LG 24MN33D
Operating instructions LG 24MN33D
Instructions for use LG 24MN33D
Instruction manual LG 24MN33D



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Manual abstract:

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@@@ Covered by one or more of the following U.S. patents: 7,295,673; 7,460,668; 7,515,710; 7,519,274 4 INSTALLATION PROCEDURE
INSTALLATION PROCEDURE ENGLISH 1 Open the package and make sure all the accessories are included. 2 Attach the stand to the TV. 3 Connect an external device to the TV.

NOTE Image shown may differ from your TV. yy Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual. yy The yy available menus and options may differ from the input source or product model that you are using. New features may be added to this TV in the future. yy

ASSEMBLING AND PREPARING 5 ASSEMBLING AND PREPARING ENGLISH Unpacking Check your product box for the following items.

If there are any missing accessories, contact the local dealer where you purchased your product. The illustrations in this manual may differ from the actual product and accessories. NOTE The yy accessories supplied with your product may vary depending on the model. Product specifications or contents in this manual may be changed without prior notice due to yy upgrade of product functions. CAUTION Do yy not use any pirated items to ensure the safety and product life span. Any damages or injuries by using pirated items are not covered by the warranty. 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 yy upgrade 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. B A A B *A *B 10 mm 18 mm 6 ASSEMBLING AND PREPARING 22MA33D 24MN33D 22MA33V 24MN33V ENGLISH Remote control. Batteries (AAA). (See p.37, See p.38) CD (Owner's Manual). Cards. Stand Base. (See p.12, See p.18) Stand Body. (See p.12, See p. 18) Cable Tie. (See p.

17) or Power Cord. (See p.16) AC-DC Adapter. (See p.16) AC-DC Adapter.

(Depending on the country) (See p.16) (Depending on the country) or Isolator (Depending on the country) ASSEMBLING AND PREPARING 7 26MA33D 29MN33D 26MA33V 29MN33V ENGLISH Remote control. Batteries (AAA). (See p.37, See p.38) CD (Owner's Manual). Cards. Stand Base. (See p. 14, See p.

19) Stand Body. Screws for Assembly 2 EA (See p. 14, See p. 19) Cable Tie. (See p.17) (See p. 14, See p. 19) or Power Cord. (See p.16) AC-DC Adapter. (See p.16) AC-DC Adapter. (Depending on the country) (See p.16) (Depending on the country) or Isolator (Depending on the country) 8 ASSEMBLING AND PREPARING NOTE ENGLISH yy Antenna Isolator Installation Guide -- Use this to install TV in a place where there is a voltage difference between TV Set and GND of antenna signal. »» If there is a voltage difference between TV Set and GND of antenna signal, the antenna contact might be heated and excessive heat might cause an accident.

-- You can improve the safety when watching TV by efficiently removing power voltage from TV antenna. It is recommended to mount the isolator to the wall. If it cannot be mounted to the wall, mount it on the TV. Avoid disconnecting the antenna Isolator after installation. -- Before starting, be sure that the TV antenna is connected.

Wall ANTENNA/ CABLE IN 1. Connect to TV. or Cable / Antenna Isolator 2. Connect to Set-Top box. Connect one end of the isolator to cable/antenna jack and the other to TV set or set-top box. "Equipment connected to the protective earthing of the building installation through the mains connection or through other equipment with a connection to protective earthing - and to a cable distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a cable distribution system has therefore to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)" W □ hen applying the RF Isolator, a slight loss of signal sensitivity can occur. ASSEMBLING AND PREPARING 9 Parts and buttons ENGLISH Remote Control Sensor Standby Light Lighting On : yy When Power is turned off Lighting Off : yy When Power is turned on Touch Buttons Touch button Adjusts the volume level. OK SETTINGS INPUT /I Description Scrolls through the saved programmes. Selects the highlighted menu option or confirms an input.

Accesses the main menus, or saves your input and exits the menus. Changes the input source. Turns the power on or off. NOTE All of the buttons are touch sensitive and can be operated through simple touch with your finger. 10 ASSEMBLING AND PREPARING ENGLISH 22MA33D 24MN33D 26MA33D 29MN33D 22MA33V 24MN33V 26MA33V 29MN33V or (Depending on the model) Only UK Connection panel (See p.24) ASSEMBLING AND PREPARING 11 Lifting and moving the TV When moving or lifting the TV, read the following to prevent the TV from being scratched or damaged and for safe transportation regardless of its type and size. When holding the TV, the screen should face yy away from you to prevent the screen from scratches. ENGLISH

CAUTION Avoid touching the screen at all times, as this may result in damage to the screen or some of the pixels used to create images. 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.

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 yy the power cord and all cables. Hold the top and bottom of the TV frame yy firmly. Make sure not to hold the transparent part, speaker, or speaker grill area. 12 ASSEMBLING AND PREPARING Setting up the TV ENGLISH Attaching the Stand 22MA33D 24MN33D 22MA33V 24MN33V If you are not mounting the TV to a wall, use the following instructions to attach the stand.

3 Attach the Stand Base from the Stand Body by turning the screw to the right with a Coin. 1 Place the TV with the screen side down on a flat and cushioned surface. CAUTION Lay yy a foam mat or soft protective cloth on the surface to protect the screen from damage. When attaching the stand to the TV, yy place the screen facing down on a cushioned table or flat surface to protect the screen from scratches.



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CAUTION Tighten the screws firmly to prevent the TV from tilting forward.

Do not over tighten. 2 Attach the Stand Body from the TV. **ASSEMBLING AND PREPARING 13 CAUTION ENGLISH** Do not carry the monitor upside-down as this may cause it to fall off its stand, resulting in damage or injury. The illustration shows a general example of installation and may look different from the actual product. Do not carry the monitor upside-down by holding the stand body as this may cause it to fall off, resulting in damage or injury. The illustration shows a general example of installation and may look different from the actual product. 14 **ASSEMBLING AND PREPARING 26MA33D 29MN33D 26MA33V 29MN33V ENGLISH 3** Secure the TV and the Stand Body with the 2 screws. If you are not mounting the TV to a wall, use the following instructions to attach the stand. 1 Place the TV with the screen side down on a flat and cushioned surface. **WARNING** If you don't fasten the screw tightly, TV will fall down and get damaged.

4 Attach the Stand Base from the Stand Body by turning the screw to the right with a Coin. 2 Attach the Stand Body from the TV. Insert the two Lockers of the Stand Body right into the groove of the TV head and secure them by pressing the left and right bottom sides. Locker **CAUTION** Tighten the screws firmly to prevent the TV from tilting forward. Do not over tighten. **ASSEMBLING AND PREPARING 15 CAUTION ENGLISH** Do not carry the monitor upside-down as this may cause it to fall off its stand, resulting in damage or injury. The illustration shows a general example of installation and may look different from the actual product. Do not carry the monitor upside-down by holding the stand body as this may cause it to fall off, resulting in damage or injury. The illustration shows a general example of installation and may look different from the actual product. 16 **ASSEMBLING AND PREPARING** Mounting on a table **ENGLISH 2** Connect the AC-DC Adapter and Power Cord to a wall outlet.

1 Lift and tilt the TV into its upright position on a table. (Only UK, **MN33V models) Set the password. (Store Demo mode is suitable for the retail environment. You can also access Factory Reset by accessing OPTION in the main menus. 24 **MAKING CONNECTIONS MAKING CONNECTIONS ENGLISH** Connect various external device(s). When turning the product on in HDMI input.

If you select "No" the size and image quality are optimised for the AV device (DVD player, set-top box, gaming device). If you select "Do not show message again" this message does not appear until the TV is reset. You can change the set value in SETTINGS s INPUT s Input Label. 34 **MAKING CONNECTIONS HDMI connection ENGLISH** Transmits the digital video and audio signals from your PC to the TV. Connect the PC and the TV with the HDMI cable as shown in the following illustrations.

You should set PC as an input label to connect the PC to the TV with an HDMI connection. **NOTE** Use a High Speed HDMI™ Cable. High Speed HDMI™ Cables are tested to carry an HD signal up to 1080p and higher. If you want to use HDMI-PC mode, you must set the input label to PC or DVI mode. Supported HDMI Audio format: Dolby Digital, PCM (Up to 192 KHz, 32k/44.1k/48k/88k/96k/176k/192k, DTS Not supported.) (Not Provided) PC **MAKING CONNECTIONS 35 HDMI to DVI connection ENGLISH** Transmits the digital video signal from your PC to the TV. Connect the PC and the TV with the HDMI to DVI cable as shown the following illustrations. To transmit an audio signal, connect an optional audio cable. **NOTE** If you want to use HDMI-PC mode, you must set the input label to DVI mode.

(Not Provided) (Not Provided) or PC (Depending on the model) 36 **MAKING CONNECTIONS RGB connection ENGLISH** Transmits the analog video signal from your PC to the TV. Connect the PC and the TV with the D-sub 15 pin cable as shown the following illustrations. To transmit an audio signal, connect an optional audio cable. **NOTE** If you do not use an optional external speaker, connect the PC to the TV with the optional audio cable. (Not Provided) (Not Provided) PC or (Depending on the model) **REMOTE CONTROL 37 REMOTE CONTROL ENGLISH** The descriptions in this manual are based on the buttons of 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 and ends to the label inside the compartment, and close the battery cover. To remove the batteries, perform the installation actions in reverse. **CAUTION** Do not mix old and new batteries, as this may damage the remote control.

Make sure to point the remote control to the remote control sensor on the TV. (POWER) Turns the TV on or off. TV/RAD Selects Radio, TV and DTV programme. INPUT Selects the input mode. AD Switches the Audio Description On or Off.

PIP Turns the PIP mode on or off. (User Guide) Accesses the User Guide menu. Q.VIEW Returns to the previously viewed programme. P Selects a programme.

PAGE Moves to the previous or next screen. FAV Displays the selected favourite programme. GUIDE Shows programme guide. MUTE Mutes all sounds. SUBTITLE Recalls your preferred subtitle in digital mode. Number buttons Enters numbers. LIST Displays the programme table. Adjusts the volume level. + - PAGE 38 **REMOTE CONTROL ENGLISH SETTINGS** Accesses the main menus or saves your input and exit menus. Teletext buttons These buttons are used for teletext.

INFO Views the information of the currently program and the screen. Q.MENU Accesses the quick menus. EXIT Clears all on-screen displays and returns to TV viewing from any menu. Navigation buttons Scrolls through menus or options. OK Selects menus or options and confirms your input. BACK Returns to the previous level. SIMPLINK Accesses the AV devices connected with the HDMI cable through HDMI-CEC. Opens the SIMPLINK menu. TV/PC Selects TV or PC mode.

Coloured buttons These access special functions in some menus. Adjusts the sound quality, effect or volume level. Sets up and edit programmes. Customizes the general settings. Views the input sources with their labels.

(Except: UK country **MN33V models) Sets the network. Press GREEN Button to access the FAQ menus. Press OK() to set programme settings. Customer Support Customer Support Using Customer Support feature. Press the RED button to access the Customer Support menus.

Image shown may differ from your TV. Allows to select the item you want. You can use /to move between pages. Menu Language : Selects a language for the display text. Audio Language [In Digital mode Only] : Select the desired language when watching digital broadcasting containing several voice languages. Subtitle Language [In Digital mode Only] : Use the Subtitle function when two or more subtitle languages are broadcast. If subtitle data in a selected language is not broadcast, the default language subtitle will be displayed.



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PROGRAMME Setting PICTURE, SOUND Setting OPTION Advanced Function Information 2 Zoom In Close 1 Press Guide. (User Guide) to access the User SETTINGS □ OPTION □ Language You can select the language of the menu displayed on the screen and the digital sound broadcasting. yy Menu Language : Selects a language for the display text.

yy Audio Language [In Digital mode Only] : Select the desired language when watching digital broadcasting containing several voice languages. yy Subtitle Language [In Digital mode Only] : Use the Subtitle function when two or more subtitle languages are broadcast. □ If subtitle data in a selected language is not broadcast, the default language subtitle will be displayed. 2 Press the Navigation buttons to scroll to the option you want and press OK. 2 Zoom Out Close 3 When you are finished, press EXIT. When you return to the previous menu, press (BACK). 1 Shows the description of the selected menu. You can use □/□to move between pages. 2 Zooms in or out the screen. MAINTENANCE 41 MAINTENANCE ENGLISH Cleaning Your TV Clean your TV regularly to keep the best performance and to extend the product lifespan.

CAUTION 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 yy outlet to prevent possible damage from lightning or power surges. Screen and frame To remove dust, wipe the surface with a dry and soft cloth. 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 clean and dry cloth.

CAUTION Do yy not push, rub, or hit the surface with your fingernail or a sharp object, as this may result in scratches on the screen and image distortions. Do yy not use any chemicals, such as waxes, benzene, alcohol, thinners, insecticides, air fresheners, lubricants, as these may damage the screen's finish and cause discolorations. Cabinet and stand To remove dust, wipe the cabinet with a dry and soft cloth. @@@@ If yy the aspect ratio of the TV is set to 4:3 for a long period of time, image burn may occur on the letterboxed area of the screen. Avoid displaying a fixed image on the TV screen for a long period of time (2 or more hours for LCD) yy to prevent image burn.

TROUBLESHOOTING 43 TROUBLESHOOTING ENGLISH General Problem Cannot control the TV with the remote control. No image display and no sound is produced. The TV turns off suddenly. Resolution 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 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 Check if the Auto sleep feature is activated in the Time settings.

@@@Resolution Horizontal Frequency Vertical Frequency Synchronization Type Recommended Resolution 1366 × 768 @ 60 Hz Input Connector Power Rated Voltage Power Consumption 19 V 2.0 A On Mode : 33 W (typ.) Off Mode 0.4 W Manufacturer: Lien Chang, Model LCAP16B-E, LCAP25B Manufacturer: LG Innotek, Model PSAB-L205B, PSAB-L204B AC/DC Adapter Tilt Tilt Range -5 to 20° With Stand 556.5 mm x 180.9 mm x 414.7 mm 3.9 kg Without Stand 556.5 mm x 62.9 mm x 343.

1 mm 3.7 kg Dimensions (Width x Depth x Height) Weight Environmental conditions Operating Temperature Operating Humidity Storage Temperature Storage Humidity 10 °C to 35 °C 20 % to 80 % -10 °C to 60 °C 5 % to 90 % Product specifications shown above may be changed without prior notice due to upgrade of product functions. SPECIFICATIONS 47 ENGLISH 26MA33D 26MA33V Panel Screen Type Pixel Pitch 660 mm Wide (26 inch) Visible diagonal size : 660 mm 0.422 mm (H) x 0.42 mm (V) 1366 × 768 @ 60 Hz 30 kHz to 61 kHz 56 Hz to 75 Hz Separate Sync, Digital 26MA33D TV, D-Sub Analog, PC Audio In, Component, AV1(SCART), AV2(CVBS), HDMI, USB, PCMCIA 26MA33V TV, D-Sub Analog, PC Audio In, Component, AV1(SCART), AV2(CVBS), HDMI, USB, PCMCIA, LAN(only UK) Video Signal Max.

Resolution Horizontal Frequency Vertical Frequency Synchronization Type Recommended Resolution 1366 × 768 @ 60 Hz Input Connector Power Rated Voltage Power Consumption 19 V 2.0 A On Mode : 35 W (typ.) Off Mode 0.4 W Manufacturer: Lien Chang, Model LCAP16B-E, LCAP25B Manufacturer: LG Innotek, Model PSAB-L205B, PSAB-L204B AC/DC Adapter Tilt Tilt Range -5 to 20° With Stand 620.4 mm x 203.

3 mm x 447.3 mm 4.7 kg Without Stand 620.4 mm x 58.8 mm x 380.5 mm 4.1 kg Dimensions (Width x Depth x Height) Weight Environmental conditions Operating Temperature Operating Humidity Storage Temperature Storage Humidity 10 °C to 35 °C 20 % to 80 % -10 °C to 60 °C 5 % to 90 % Product specifications shown above may be changed without prior notice due to upgrade of product functions. 48 SPECIFICATIONS ENGLISH 29MN33D 29MN33V Panel Screen Type Pixel Pitch 730 mm Wide (29 inch) Visible diagonal size : 730 mm 0.462 mm (H) x 0.462 mm (V) 1366 × 768 @ 60 Hz 30 kHz to 61 kHz 56 Hz to 75 Hz Separate Sync, Digital 29MN33D TV, D-Sub Analog, PC Audio In, Component, AV1(SCART), AV2(CVBS), HDMI, USB, PCMCIA 29MN33V TV, D-Sub Analog, PC Audio In, Component, AV1(SCART), AV2(CVBS), HDMI, USB, PCMCIA, LAN(only UK) Video Signal Max.

Resolution Horizontal Frequency Vertical Frequency Synchronization Type Recommended Resolution 1366 × 768 @ 60 Hz Input Connector Power Rated Voltage Power Consumption 19 V 2.4 A On Mode : 40 W (typ.) Off Mode 0.4 W Manufacturer: LG Innotek, Model: PSAB-L101A Manufacturer: Lite-On, Model: PA-1650-64 AC/DC Adapter Tilt Tilt Range -5 to 20° With Stand 668.6 mm x 223.5 mm x 472.4 mm 5.9 kg Without Stand 668.6 mm x 65.8 mm x 405.

5 mm 5.3 kg Dimensions (Width x Depth x Height) Weight Environmental conditions Operating Temperature Operating Humidity Storage Temperature Storage Humidity 10 °C to 35 °C 20 % to 80 % -10 °C to 60 °C 5 % to 90 % Product specifications shown above may be changed without prior notice due to upgrade of product functions. SPECIFICATIONS 49 RGB (PC) / HDMI (PC) supported mode Resolution 720 x 400 640 x 480 640 x 480 800 x 600 800 x 600 1024 x 768 1024 x 768 1280 x 800 1366 x 768 Horizontal Frequency(kHz) 31.468 31.469 37.

500 37.879 46.875 48.363 60.023 49.

702 47.717 Vertical Frequency(Hz) 70.080 59.940 75.000 60.317 75.000 60.004 75.029 59.810 59.

790 Component supported mode Resolution 720 x 480 720 x 480 720 x 576 720 x 480 720 x 480 720 x 576 1280 x 720 1280 x 720 1280 x 720 1920 x 1080 Horizontal Frequency(kHz) 15.730 15.750 15.625 31.470 31.500 31.250 44.960 45.000 37.500 33.

720 33.750 28.125 56.250 67.432 67.

500 Vertical Frequency(Hz) 59.940 60.000 50.000 59.940 60.

000 50.000 59.940 60.000 50.000 59.940 60.000 50.000 50.000 59.940 60.

000 ENGLISH NOTE The optimal display resolution is 1366 x 768 @ 60 Hz.



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The optimal timing is vertical frequency 60Hz in each mode. Component port connecting information HDMI (DTV) supported mode Resolution 720 x 480 720 x 576 1280 x 720 1280 x 720 1920 x 1080 Horizontal Frequency(kHz) 31.469 31.500 31.250 37.500 44.960 45.000 33.720 33.750 28.125 27.000 33.750 56.250 67.430 67.500 Vertical Frequency(Hz) 59.940 60.000 50.000 50.000 59.940 60.000 59.940 60.000 50.000 24.000 30.000 50.000 59.940 60.

000 Video output ports on DVD player Component ports on the TV Y Y Y Y Y PB PB B-Y Cb Pb PR PR R-Y Cr Pr 50 SPECIFICATIONS NOTE ENGLISH Avoid keeping a fixed image on the set's screen for prolonged periods of time. The fixed image may become permanently imprinted on the screen. Use a screen saver when possible. There may be interference relating to resolution, vertical pattern, contrast or brightness in PC mode. Change the PC mode to another resolution or change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card. The synchronization input waveform for Horizontal and Vertical frequencies are separate. Connect the signal cable from the RGB output port of the PC to the RGB IN (PC) port of the TV or the signal cable from the HDMI output port of the PC to the HDMI IN port on the TV. Connect the audio cable from the PC to the Audio input on the TV. (Audio cables are not included with the TV).

If using a sound card, adjust PC sound as required. If the graphic card on the PC does not output analogue and digital RGB simultaneously, connect only one of either RGB IN (PC) or HDMI IN to display the PC output on the TV. If the graphic card on the PC does output analogue and digital RGB simultaneously, set the TV to either RGB or HDMI. (The other mode is set to Plug and Play automatically by the TV.) DOS mode may not work depending on the video card if you use an HDMI to DVI cable.

If you use too long an RGB-PC cable that is too long, there may be interference on the screen. We recommend using under 5 m of cable. This provides the best picture quality. Make sure to read the Safety Precautions before using the product. Keep the Owner's Manual (CD) in an accessible place for future reference.

The model and serial number of the TV is located on the back and one side of the TV. Record it below should you ever need service. MODEL SERIAL To obtain the source code under GPL, LGPL, MPL and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>. 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. .



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