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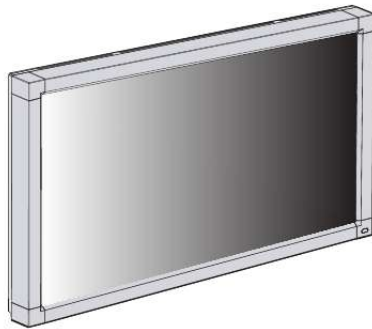
You can read the recommendations in the user guide, the technical guide or the installation guide for MITSUBISHI LDT422V. You'll find the answers to all your questions on the MITSUBISHI LDT422V in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual MITSUBISHI LDT422V
User guide MITSUBISHI LDT422V
Operating instructions MITSUBISHI LDT422V
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Instruction manual MITSUBISHI LDT422V



42" LCD Display Monitor
MODEL
LDT422V (BR931)

USER'S MANUAL
BEDIENERHANDBUCH
MANUAL DEL USUARIO
MANUEL UTILISATEUR
MANUALE UTENTE
GEBRUIKERSHANDLEIDING
РУКОВОДСТВО ПОЛЬЗОВАТЕЛЯ



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Manual abstract:

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. English-42 PIP, POP function

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. English-43 Troubleshooting

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. English-46 English-1 English Features Full 1920 x 1080 High-definition Resolution Page 45 The LDT422V panel reproduces images from video and computer signals with precision and clarity, delivering full 1920 x 1080 highdefinition resolution. The high-durability panel reduces the risk of image persistence in commercial applications. Page 34 Wide-range Color Temperature Adjustment The display color temperatures can be adjusted from 2,600 K to 10,000 K. Such a wide range adjustment is important for industries such as broadcasters and food retailers where color accuracy and flesh tones are critical. Tiling Capability with Frame compensation Page 39 Up to 25 panels (5 wide x 5 high) can be combined to create a single large image (i.e., video wall) or other high-impact signage. A frame compensation function is incorporated to compensate the width of panel bezels so that images are displayed with the utmost accuracy. PiP, PoP and Side-by-side Pages 37 and 43 Picture-in-Picture and Picture-out-of-Picture are available when you want to display video content from a video input source in the sub picture and display the PC input source in the main picture, and vice versa.

The native resolution as high as 1920 x 1080 can display these two input sources in the Side-by-side mode, ideal for broadcasting and video-conferencing applications. Page 38 Programmable Scheduling Function The monitor's operating schedule can be programmed for up to seven different scheduled time intervals by time, day of the week and input port. This allows video content from different inputs to be displayed on certain monitors within the same installation according to the schedule, and extends the monitor's life and saves the power by turning it off during those hours or days it is not in use. Page 40 Screen-saver Funct for compliance could void your authority to operate the equipment. English-3 English Important Information (continued) WARNING TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE. ALSO, DO NOT USE THIS UNIT'S POLARIZED PLUG WITH AN EXTENSION CORD RECEPTACLE OR OTHER OUTLETS UNLESS THE PRONGS CAN BE FULLY INSERTED. REFRAIN FROM OPENING THE CABINET AS THERE ARE HIGH VOLTAGE COMPONENTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. CAUTION CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, MAKE SURE POWER CORD IS UNPLUGGED FROM WALL SOCKET. TO FULLY DISENGAGE THE POWER TO THE UNIT, PLEASE DISCONNECT THE POWER CORD FROM THE AC OUTLET.

DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. This symbol warns user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any part inside this unit. This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems. CAUTION This LCD Monitor uses a lamp that contains mercury. Disposal of the lamp or the LCD Monitor with the lamp may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org.

(For US only). English-4 Declaration Declaration of the Manufacturer We hereby certify that the color monitor LDT422V (BR931) is in compliance with Council Directive 2006/95/EC: -- EN 60950-1 Council Directive 2004/108/EC: -- EN 55022 -- EN 61000-3-2 -- EN 61000-3-3 -- EN 55024 and marked with Mitsubishi Electric Corporation 2-7-3, Marunouchi, Chiyoda-Ku Tokyo 100-8310, Japan Warning This is a Class A product. In a domestic environment this product may cause radio interference, in which case the user may be required to take adequate measures.

Declaration of the Manufacturer Note: This symbol mark is for EU countries only. This symbol mark is according to the directive 2002/96/EC Article 10 Information for users and Annex IV, and/or to the directive 2006/66/EC Article 20 Information for end-users and Annex II. Your MITSUBISHI ELECTRIC product is designed and manufactured with high quality materials and components which can be recycled and/or reused. This symbol means that electrical and electronic equipment, batteries and accumulators, at their end-of-life, should be disposed of separately from your household waste. If a chemical symbol is printed beneath the symbol shown above, this chemical symbol means that the battery or accumulator contains a heavy metal at a certain concentration. This will be indicated as follows: Hg: mercury (0,0005%), Cd: cadmium (0,002%), Pb: lead (0,004%) In the European Union there are separate collection systems for used electrical and electronic products, batteries and accumulators.



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Please, dispose of this equipment, batteries and accumulators correctly at your local community waste collection/recycling centre. Please, help us to conserve the environment we live in! English-5 English Safety Precautions, Maintenance & Recommended Use FOR OPTIMUM PERFORMANCE, PLEASE NOTE THE FOLLOWING WHEN SETTING UP AND USING THE LCD COLOR MONITOR: · DO NOT REMOVE MONITOR BACK COVER. There are no user serviceable parts inside and opening or removing covers may expose you to dangerous shock hazards or other risks. Refer all servicing to qualified service personnel. Do not spill any liquids into the cabinet or use your monitor near water. Do not insert objects of any kind into the cabinet slots, as they may touch dangerous voltage points, which can be harmful or fatal or may cause electric shock, fire or equipment failure. Do not place any heavy objects on the power cord. Damage to the cord may cause shock or fire. Do not place this product on a sloping or unstable cart, stand or table, as the monitor may fall, causing serious damage to the monitor.

When operating the LCD monitor with its AC 100-120 V power supply in North America, use a power supply cord provided with the monitor. When operating the LCD monitor with its AC 220-240 V power supply in Europe, use a power supply cord provided with the monitor. In UK, use a BS-approved power cord with molded plug having a black (10 A) fuse installed for use with this monitor. If a power cord is not supplied with this monitor, please contact your supplier.

When operating the LCD Monitor with a 220-240 V AC power supply in Australia, use the power cord provided with the monitor. If a power cord is not supplied with this equipment, please contact your supplier. For all other cases, use a power cord that matches the AC voltage of the power outlet and has been approved by and complies with the safety standard of your particular country. Do not place any objects onto the monitor and do not use the monitor outdoors. The inside of the fluorescent tube located within the LCD monitor contains mercury. Please follow the bylaws or rules of your municipality to dispose of the tube properly.

Do not bend power cord. Do not use monitor in high temperature, humid, dusty, or oily areas. If monitor or glass is broken, do not come in contact with the liquid crystal and handle with care. If the LCD monitor is damaged and the liquid crystal leaks out, do not inhale or swallow it. Allow adequate ventilation around the monitor, so that heat can properly dissipate.

Do not block ventilated openings or place the monitor near a radiator or other heat sources. Do not put anything on top of the monitor. The power cable connector is the primary means of detaching the system from the power supply. The monitor should be installed close to a power outlet, which is easily accessible. Handle with care when transporting.

Save packaging for transporting. . . . Please clean the holes of back cabinet to reject dirt and dust at least once a year because of set reliability. If using the cooling fan continuously, it's recommended to wipe holes a minimum of once a month. When installing the remote control batteries; - Align the batteries according to the (+) and (-) indications inside the case. - Align the (-) indication of the batteries first inside the case. . . . CAUTION: Immediately unplug your monitor from the wall outlet and refer servicing to qualified service personnel under the following conditions: · When the power supply cord or plug is damaged. · If liquid has been spilled, or objects have fallen into the monitor. · If the monitor has been exposed to rain or water. · If the monitor has been dropped or the cabinet damaged. · If the monitor does not operate normally by following operating instructions.

Recommend Use CAUTION: · For optimum performance, allow 20 minutes for warm-up. · Rest your eyes periodically by focusing on an object at least 5 feet away. Blink often. · Position the monitor at a 90° angle to windows and other light sources to minimize glare and reflections. · Clean the LCD monitor surface with a lint-free, non-abrasive cloth. Avoid using any cleaning solution or glass cleaner! · Adjust the monitor's brightness, contrast, and sharpness controls to enhance readability. · Avoid displaying fixed patterns on the monitor for long periods of time to avoid image persistence (after image effects). · Get regular eye checkups. Ergonomics To realize the maximum ergonomic benefits, we recommend the following: · Use the preset Size and Position controls with standard signals. · Use the preset Color Setting.

· Use non-interlaced signals. · Do not use primary color blue on a dark background, as it is difficult to see and may produce eye fatigue due to insufficient contrast. . . . English-6 Contents Your LCD monitor (LDT422V) comes with the following: User's Manual Video Signal Cable (Mini D-SUB 15-pin to Mini D-SUB 15-pin Cable) LCD Monitor Screw (M4x8) x 2 (For Clamper) Clamper x 2 (For securing the power cord and HDMI cable) Clamper x 2 (To prevent from falling) * The supplied power cord varies depending on destination. Screw (3x6) x 2 (To fix Main switch cover) Power Cord For EU * Power Cord For North America Main switch cover Wireless Remote Control and AAA Batteries For the use in the other regions, use a power cord that matches the AC voltage of the power outlet and has been approved by and complies with the safety standard of those regions or countries. The following components are supplied as option.

· External Speakers · Stands English-7 English Parts Name and Functions Buttons, Switch, and Indicator Button Location EXIT OFF ON INPUT MUTE 1 Main Power Switch Switches the main power on/off. 5 INPUT button Displays the OSD menu to switch the video input. You can select [RGB1], [RGB2], [RGB3], [RGB4], [DVD/HD], [VIDEO<S>], or [VIDEO] using the UP () or DOWN () button. 2 Remote control sensor and Power indicator Remote control sensor: Receives the signal from the wireless remote control. Power indicator: Indicates the state of the LCD monitor.

· Steady green: The power is on. · Steady red: The power is off. Some operations such as power-on are possible. · Steady green and red: The LCD monitor is in the sleep mode. · Off: The main power is off. · Steady red and blinking green: The LCD monitor is in the schedule standby mode. · Blinking red: The LCD monitor has an error (detected by the self-diagnostic function). 6 PLUS (+) button Acts as (+) button to increase the adjustment in the OSD menu. Increases the audio output level when the OSD menu is off.



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7 MINUS (-) button Acts as (-) button to decrease the adjustment in the OSD menu.

Decreases the audio output level when the OSD menu is off. 8 UP () button Activates the OSD menu when the OSD menu is off. Acts as button to move the highlighted area up to select an adjustment item in the OSD menu. 9 DOWN () button 3 POWER button () Activates the OSD menu when the OSD menu is off. Acts as button to move the highlighted area down to select an adjustment item in the OSD menu. Switches the power on/off. This button doesn't work when the power indicator is off. Turn on the main power. (See page 24.) 10 EXIT button Activates the OSD menu when the OSD menu is off.

Acts as EXIT button to go back to the previous OSD menu. 4 MUTE button Switches the audio mute on/off. (Reference) Control Lock mode You can lock the operation buttons. See page 42. NOTE: For details about the OSD menu operation using the buttons, see "Basic operation of OSD."

(See page 33.) English-8 Parts Name and Functions (continued) Connectors and Terminals English Anti-theft lock slot You can insert a Kensington anti-theft lock key. RL OUT OUT H V IN IN RB Cr/Pr Cb/Pb G Y 1 AC IN (3-pin, with earth terminal) Connects with the supplied power cord. 6 RS-232C connector (D-SUB 9-pin) IN connector: Connects with the RS-232C OUT connector of a computer or other connected LDT422V. OUT connector: Connects with the RS-232C IN connector of other connected LDT422V.

2 EXTERNAL SPEAKER TERMINAL Connects with the special stereo speakers (option). 3 AUDIO IN Connects with the audio output connector of external equipment such as a computer, VCR, and DVD player. (a) AUDIO1: ϕ 3.5 stereo mini-jack connector (b) AUDIO2: RCA connector (c) AUDIO3: RCA connector 7 RGB1 IN (HDMI) Connects with the digital video output of a computer, DVD player, etc. 4 AUDIO OUT (RCA) Outputs the signal that is supplied to the selected AUDIO IN connector. Connects with an external audio amplifier, etc. 8 RGB OUT (MINI D-SUB 15-pin) Outputs the signal that is supplied to the RGB3 or RGB4 IN connector. 5 VIDEO INPUT/OUTPUT (BNC/S connector) Connects with video equipment. S VIDEO IN: S-video input connector (MINI DIN 4-pin) VIDEO IN: BNC connector VIDEO OUT: BNC connector 9 RGB2 IN (DVI-D) Connects with the digital video output of a computer, etc. 10 RGB3 IN (MINI D-SUB 15-pin) Connects with the analog video output of a computer, etc.

11 RGB4 IN, DVD/HD IN (BNC) Connects with the analog video output of a computer, etc. 12 Cable Holder Holds the connected cables. English-9 Parts Name and Functions (continued) Wireless Remote Control 8 AUDIO INPUT buttons Select the audio input from [AUDIO1], [AUDIO2], [AUDIO3], and [HDMI]. Note that [VIDEO<S>] and [VIDEO] cannot be selected. You can select [HDMI] only when the video input source is [RGB1]. 9 PIP (Picture-in-Picture) buttons ON/OFF button: INPUT button: Switches the PIP or POP mode on/off. Selects video to be displayed in the sub picture. CHANGE button: Changes the main picture with the sub picture. [Description] PIP: Picture-in-Picture The sub picture is displayed within the main picture. POP: Picture-out-Picture The sub picture is displayed to the bottom right of the main picture.

SIDE BY SIDE The main picture and the sub picture are displayed side by side. 1 POWER button Switches the power on/off. * When the Power indicator is not glowing, no controls will work. NOTE: When the screen size is [CUSTOM] or [REAL], the PIP and POP modes don't work. 10 STILL button ON/OFF button: Switches the still picture mode on/off.

CAPTURE button: Captures the new picture. 2 INPUT buttons Select the input signal from [RGB1] (HDMI), [RGB2] (DVI-D), [RGB3] (D-SUB), [RGB4] (BNC), [DVD/HD] (YPbPr), [VIDEO<S>], and [VIDEO]. NOTE: The [CAT5] and [DISPLAY PORT] buttons don't work. 11 SIZE button Selects the picture size from [FULL], [NORMAL], [CUSTOM], [DYNAMIC], and [REAL]. See page 42.

12 MENU button Switches the OSD menu mode on/off. 3 PICTURE MODE button Selects the picture mode from [HIGHBRIGHT], [STANDARD], [sRGB], and [CINEMA]. See page 26. HIGHBRIGHT: The brightness is maximized. STANDARD: Factory default setting. sRGB: Suitable for color matching with sRGB compliant devices. CINEMA: Suitable for viewing movies. 13 UP button () Acts as button to move the highlighted area up to select an adjustment item in the OSD menu. When the PIP mode is active, this button moves the sub picture up. 14 PLUS button (+) Acts as (+) button to increase the adjustment in the OSD menu.

When the PIP mode is active, this button moves the sub picture to the right. 4 DISPLAY button Displays the screen information. See page 42. When the remote control mode is LOCK, you can set it back to NORMAL by holding down the DISPLAY button for at least 5 seconds (see page 39). 15 EXIT button Displays the previous OSD menu. 16 DOWN button () 5 SET button Accepts the settings made in the OSD menu. Acts as button to move the highlighted area down to select an adjustment item in the OSD menu. When the PIP mode is active, this button moves the sub picture down. 6 MINUS button (-) Acts as (-) button to decrease the adjustment in the OSD menu. When the PIP mode is active, this button moves the sub picture to the left.

17 MUTE button Switches the mute function on/off. 18 VOLUME buttons (VOL) Pressing the plus (+) side increases the audio output level. Pressing the minus (-) side decreases the audio output level. 7 AUTO SETUP button Displays the auto setup menu. See pages 26 and 35.

English-10 Parts Name and Functions (continued) How to Use the Wireless Remote Control Operating Range of the Wireless Remote Control Point the wireless remote control toward the LCD monitor's remote control sensor during button operation. Use the wireless remote control within a distance of about 7 m from the front of the LCD monitor's remote control sensor and at a horizontal and vertical angle of within 30° within a distance of about 3.5 m. Installing and removing the Wireless remote control batteries The wireless remote control is powered by 1.5 V AAA batteries.

How to install the batteries 1. Unlock and pull up the cover in the arrow's direction. 2. Align the batteries according to the (+) and (-) indications inside the case. 3. Replace the cover. How to remove the batteries 1. Unlock and pull up the cover in the arrow's direction. 2. Remove the batteries.

CAUTION: Incorrect use of batteries can result in leaks or explosion. Be careful especially about the following points. · Place "AAA" batteries matching the (+) and (-) signs on each battery to the (+) and (-) signs of battery compartment. · Do not mix battery types. · Do not combine new batteries with used ones. It causes shorter battery life or leakage of batteries. · Remove dead batteries immediately to prevent battery liquid from leaking into the battery compartment.



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Don't touch exposed battery acid because it causes damage to your skin. NOTE: If you do not use the wireless remote control for a long period, remove the batteries. CAUTION: The remote control system may not function when direct sunlight or strong illumination strikes the remote control sensor of the LCD monitor, or when there is an object in the path.

Handling the wireless remote control * * Do not subject to strong shock. Do not allow water or other liquid to splash on the wireless remote control. If the wireless remote control gets wet, wipe it dry immediately. Avoid exposure to heat and steam. Other than to install the batteries, do not open the wireless remote control.

* * English-11 English Preparation for use Flow of preparation P-1 Preparation for installation - Determine the installation location - Ventilation requirements for enclosure mounting Carry out as necessary Page 13 P-2 Installing the monitor Pages 14 to 15 - Installing and removing the stands (The stands are optionally available.) - Installing the main switch cover - Using the wall mount or ceiling mount - Installing in the portrait position Carry out as necessary P-3 Installing the speakers Page 16 P-4 Connection procedure - Wiring diagram - Prevention of disconnection of HDMI cable - Connecting with a computer (analog connection) - Connecting with a computer (digital connection) - Connecting a video device (component video/HDMI device) - Connecting a video device (composite video/S video device)/stereo amplifier Pages 17 to 21 P-5 Connecting the power cord to the monitor - Connecting the power source Page 22 The monitor is ready for use. How to Use Page 23 English-12 P-1 Preparation for installation This LCD has a temperature sensor and cooling fan. If the LCD becomes hot, the cooling fan will turn on automatically. If the LCD becomes overheated, the "Caution" menu will appear. If the "Caution" menu appears, stop using the monitor and allow it to cool. When the LCD monitor is used in an enclosure or with protection on LCD surface, please check the inside temperature of the monitor by "HEAT STATUS" (See page 40). If the temperature is higher than the normal level, set "COOLING FAN" to ON using the SCREEN SAVER function (See page 40). To avoid the monitor from falling When installing the monitor using the tabletop stands (optional), take measures to prevent the monitor from falling over in case of an earthquake or other disaster to lessen the probability of injury and damage resulting from the fall. As shown in the figure, secure the monitor to a solid wall or pillar using rope (commercially available) strong enough to bear the weight of the monitor. [LDT422V: approximately 23 kg (with the optional stands)] Use of screw hooks (with opening) is recommended. 475 mm Screw holes Screw hook, etc. commercially available Determine the installation location CAUTION: DO NOT ATTEMPT TO INSTALL THE LCD MONITOR BY YOURSELF. Installing your LCD monitor must be done by a qualified technician. Contact your dealer for more information.

CAUTION: MOVING OR INSTALLING THE LCD MONITOR MUST BE DONE BY TWO OR MORE PEOPLE. Failure to follow this caution may result in injury if the LCD monitor falls. CAUTION: Do not mount or operate the monitor upside down, face up, or face down. IMPORTANT: Lay the protective sheet, which was wrapped around the LCD monitor when it was packaged, beneath the LCD monitor so as not to scratch the panel. Rope, etc. commercially available Screw Clamper Ventilation requirements for enclosure mounting To allow heat to disperse, leave space around the monitor as shown in the figure below. CAUTION: · The effect of the fall prevention substantially depends on the strength of brackets and base to which the fall prevention devices is attached. When you cannot ensure sufficient strength, provide adequate reinforcement. · Though the recommended fall prevention is intended to lessen the probability of injury and damage, it doesn't assure its effectiveness against any kind of earthquake or disaster. · Do not sleep where the monitor may topple over or fall in case of an earthquake or other disaster.

· Before moving the monitor, remove the rope that is securing the monitor. Failure to do so may result in injury or breakdown of the monitor. CAUTION: The upper limit of the operation guaranteed temperature range is 40°C. When installing the monitor in a case or an enclosure, ensure adequate ventilation to keep the temperature inside the case 40°C or lower by providing a cooling fan or ventilation holes in the case. English-13 English Install the monitor on a flat, level, stable surface where the screen is easy to view.

(For installation using the option stand.) P-2 Installing the monitor Carry out as necessary Installing and removing the stands The stands are available as option. Refer to the user's manual of the stand for more information. Screw x 2 (Accessories of the option stand) Using the wall mount or ceiling mount Lay the screen face down Lay the protective sheet on a table, which was wrapped around the monitor when it was packaged, beneath the screen surface so as not to scratch the screen surface. This device cannot be used or installed without the Tabletop Stand or other mounting accessory. Failure to follow the correct mounting procedures can result in damage to the equipment or injury to the user or installer. Product warranty does not cover damage caused by improper installation. Failure to follow these recommendations can void your warranty. Use M6 screws (having a length 10 mm longer than the thickness of the mounting bracket) and tighten them securely. Prevent the screws from loosening using spring washers, etc. MITSUBISHI ELECTRIC recommends using mounting interface that comply with TÜV-GS and/or UL1678 standard in North America. 511.5 100 100 100 511.5 Option stand x 2 (Longer portion comes to the front.) How to install the stands 1.

Turn the monitor off. 2. Fasten screws on both sides of the monitor. NOTE: Install the stands so that their longer portions come to the front. How to remove the stands 1. Spread the protective sheet on a flat surface, such as a desk. 2. Place the monitor on the protective sheet. 3. Remove the screws with a screwdriver and place them in a safe place for reuse.

Protective Sheet 100 100 Installing the main switch cover To prevent unauthorized operation of the main power switch, attach the main switch cover, which is supplied as an accessory. NOTE: With the main power switch cover in place, the main power switch cannot be turned off. Remove the main power switch cover in order to switch off the monitor. Screw x 2 (Accessory) (mm) Table Tabletop Stand CAUTION: For preventing the monitor from falling. · Install the monitor with metal brackets for wall or ceiling installation (commercially available) on your own responsibility.



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For detailed procedures of installation, refer to the instructions of the metal brackets. · To lessen the probability of injury and damage resulting from fall of the monitor in case of earthquake or other disaster, be sure to consult the bracket manufacturer for installation location. · To lessen the risk of falling of the monitor, thread commercially available rope through the handles at the right and left of the monitor and secure the rope to the wall mount brackets or ceiling mount brackets. · Do not sleep where the monitor may topple over or fall in case of an earthquake or other disaster. Main switch cover (Accessory)
English-14 307 307 P-2 Installing the monitor (continued) Carry out as necessary Installing in the portrait position Conditions: LDT422V can be installed in the portrait position, under the following conditions: CAUTION: Portrait position is available only when the monitor is wallmounted or ceiling-mounted. The stands (legs) can not be fitted to the monitor in the portrait position. Placing the monitor in the portrait position will shorten the average life of the LCD backlight. Operation Environment (Temperature) shall be limited, as shown below: Operation Environment: Temperature 5 - 35°C / 41 - 95°F Humidity 20 - 80% (without condensation) Place the monitor in the position shown below. Do not place the monitor in landscape in any other manner than shown. Optional speakers (SP-422V) can not be attached when the LCD monitor is installed in the portrait position. How to set-up " logo should be on the LEFT side when The " viewed from the front of the monitor. Landscape 90° Clockwise logo LDT422V English-15 English LDT422V P-3 Installing the speakers Carry out as necessary Before connecting the signal cable to PC and Video · Optional speakers can be installed. · Please refer to user's guide of the optional speakers for the detailed installation procedure. How to install the optional speakers 1. Use the metal fittings and screws that are supplied with the option speakers.

2. Connect the cord of the left speaker to the SPEAKER (S) terminal (L) on the monitor, and the cord of the right speaker to the SPEAKER (S) terminal (R). Left speaker Right speaker SPEAKER (S)(L) Red(+)/Black(-) To speaker terminal (L) SPEAKER (S)(R) Red(+)/Black(-) To speaker terminal (R) NOTE: The speaker cord has polarity (+ and -). Match the colors of the speaker terminal and the connector of the cord. CAUTION: Do not move the monitor with the speakers installed. The monitor and the speakers may be damaged and you may be injured if the monitor falls. English-16 P-4 Connection procedure English Before making connections · First turn off the power of all the connected equipment before making connections. · Refer to the user manual of each piece of equipment. NOTE: Please use the audio cable without resistance when the audio output terminal of the audio device and PC is stereo mini-Jack. When the audio cable with resistance is used, the audio level may not be increased or no audio may be output.

Wiring diagram LCD monitor (rear) Personal computer (DVI-D, HDMI) LCD monitor (first monitor) G B R DVI IN HDMI RS-232C IN VIDEO IN S-VIDEO IN2 IN3 L IN1 OUT R V H D-SUB OUT D-SUB IN RS-232C OUT VIDEO OUT Stereo amplifier DVD player (HDMI, BNC) Personal computer (Analog RGB) HD disk player (HDMI) External speakers LCD monitor (second monitor) VCR (RCA) Prevention of disconnection of HDMI cable The HDMI cable must be secured by the clamper to prevent it from being disconnected accidentally. Clamper (Accessory) Cable Holder English-17 P-4 Connection procedure (continued) Connecting with a computer (analog connection) The monitor automatically distinguishes the timings shown in the table below and sets the screen information. When a PC or other device is connected, it automatically displays images properly. <Factory preset timing> Resolution 1 2 3 4 5 640 x 480 800 x 600 1024 x 768 1280 x 768 1360 x 768 Frequency Horizontal Vertical 31.5 kHz 60 Hz 37.

9 kHz 60 Hz 48.4 kHz 60 Hz 48.0 kHz 60 Hz 47.7 kHz 60 Hz Remarks 6 7 8 9 Resolution 1280 x 1024 1600 x 1200 1920 x 1080 1920 x 1200 Frequency Horizontal Vertical 64.0 kHz 60 Hz 75.

0 kHz 60 Hz 67.5 kHz 60 Hz 74.0 kHz 60 Hz Remarks Recommend timing NOTE: When a signal other than 1920x1080 is input, characters may be blurred and figures and objects may be distorted. Images may not be displayed correctly depending on the video card or driver being used. Analog connection: · Connection via RGB3 IN (D-SUB) connector (1) Connect an RGB cable (mini D-SUB 15-pin mini D-SUB 15-pin) (accessory) to the RGB3 IN connector. (2) Select [RGB3] using the INPUT button on the monitor or the D-SUB button on the wireless remote control. · Connection via RGB4 IN (BNC: R-G-B-H-V, or R-G-B-Csync, RGB sync on green) connector (1) Use a BNC cable (BNC x 5 - BNC x 5) (commercially available) to connect the BNC connector on the PC, and use a signal cable (mini D-SUB 15-pin - BNC x 5) (commercially available) to connect the mini D-SUB 15-pin connector on the PC. (2) Select [RGB4] using the INPUT button on the monitor or the BNC button on the wireless remote control. Second monitor connection: · Connect the RGB OUT connector (mini D-SUB 15-pin) on the first monitor and the RGB3 IN connector (mini D-SUB 15-pin) on the second monitor using an RGB cable (mini D-SUB 15-pin - mini D-SUB 15-pin) (an accessory of the second monitor or commercially available). (The RGB3 or RGB4 signal selected by the first monitor is output.

The RGB1 or RGB2 signal isn't output.) @@@@ · To output audio to the second monitor: Connect the AUDIO OUT connector on the first monitor and the AUDIO IN2 or 3 connector on the second monitor using an RCA cable (audio) (commercially available). Personal computer LCD monitor (rear) (Analog RGB) To BNC output BNC cable (BNC x 5 to BNC x 5) RGB cable (Mini D-SUB 15-pin to Mini D-SUB 15-pin) To D-SUB output Personal computer (Analog RGB) RGB4 IN (R,G,B,H,V) To audio output RGB3 IN (D-SUB) AUDIO IN1 (mini) Audio cable (ø 3.5 mm stereo mini) LCD monitor (first monitor) G B R DVI IN HDMI RS-232C IN VIDEO IN S-VIDEO IN2 IN3 L IN1 OUT R V H D-SUB OUT D-SUB IN RS-232C OUT VIDEO OUT RGB OUT (D-SUB) RGB3 IN (D-SUB) RGB cable (Mini D-SUB 15-pin to Mini D-SUB 15-pin) AUDIO IN2 (RCA) RCA cable (audio) LCD monitor (second monitor) (Multi-connection) English-18 AUDIO OUT (RCA) P-4 Connection procedure (continued) Connecting with a computer (digital connection) Digital connection: · Connection via the RGB1 IN connector (HDMI) (1) Connect an HDMI cable (commercially available) to the RGB1 IN connector. @@@@ @@@@ When an HDMI cable is connected, select HDMI audio.



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@@Refer to the user's manual of the connected device for details. @@@@. For HDMI cable connection, select HDMI audio. @@Refer to the user's manual of the stereo amplifier for details. @@@@Connect the connectors of the RCA cable (audio) correctly. @@@@Connect the connectors of the RCA cable (audio) correctly.

@@@Fully insert the prongs into the power outlet socket. @@Turn on the connected devices such as the computer and VCR. Before turning on the monitor, turn on the computer. Turning on the monitor 2. Turn on the Main Power Switch.

The power indicator turns on green. The control buttons on the bottom of the monitor and the wireless remote control don't work while the Main Power Switch is off (the power indicator is off). When using them, check that the Main Power Switch is on (the power indicator is on). 3. When the power indicator glows red, press the POWER button on the monitor.

The power indicator turns green. Main Power Switch Power Management Function This function reduces the power consumption of the monitor when the keyboard or the mouse is not used for a fixed period even though the power of the monitor is on. While this function is working, the screen becomes dark and the power indicator glows green and red. This function is available only when a computer equipped with the VESA-approved DPM Power Management function is connected to the monitor. Check that the power management function (power saver) for RGB is ON. When you turn on this function for VIDEO, the monitor goes into the sleep mode in 10 minutes after RGB4, DVD/HD, VIDEO<S>, or VIDEO sync signal is lost. [Description] DPM: Acronym for Display Power Management NOTE: The default power management settings (power savers) for RGB and VIDEO are ON. or Power button Power button Wireless remote control English-24 U-2 Selecting the video input You can select the desired video input using the wireless remote control or the INPUT button on the monitor. You can select the desired video input by pressing the corresponding INPUT button on the wireless remote control. Selectable video inputs are [RGB1] (HDMI), [RGB2] (DVI-D), [RGB3] (D-SUB), [RGB4] (BNC), [DVD/HD] (YPbPr), [VIDEO<S>] (VIDEO(S)), and [VIDEO] (VIDEO).

NOTE: The [CAT5] and [DISPLAY PORT] buttons don't work. 2. Select using the INPUT button on the monitor. When you press the INPUT button on the monitor, the video input OSD menu is displayed and you can select the video input using the and buttons. Selectable video inputs are [RGB1] (HDMI), [RGB2] (DVI-D), [RGB3] (D-SUB), [RGB4] (BNC), [DVD/HD], [VIDEO-S], and [VIDEO]. RGB1 RGB2 RGB3 RGB4 DVD/HD VIDEO-S VIDEO INPUT button Video input OSD menu Select using the and buttons. English-25 English 1. Select using the INPUT buttons on the wireless remote control. U-3 Controlling the external devices You can control the externally connected devices to display images supplied from them. VCR, etc.

Personal computer U-4 Auto-setup NOTE: The auto setup works on RGB3 and RGB4 only. Analog inputs only The AUTO SETUP button on the wireless remote control or AUTO SETUP in the OSD menu automatically adjusts the screen size, horizontal/vertical position, clock, clock phase, white level, and black level. U-5 Selecting the picture mode Using the PICTURE MODE button on the wireless remote control, you can select the picture mode suitable for images to be displayed. HIGHBRIGHT: STANDARD: sRGB: CINEMA: The brightness is maximized. Factory default setting.

Suitable for color matching with sRGB-compliant devices. Suitable for viewing movies. English-26 U-6 Screen adjustment English When images aren't displayed properly even after the auto setup, you can alternatively adjust the screen by pressing the MENU button on the wireless remote control or the control buttons on the bottom of the monitor to display the OSD menu. Using the SCREEN settings in the OSD menu, you can adjust the horizontal/vertical position, clock, clock phase, CUSTOM ZOOM, horizontal resolution, vertical resolution, and input resolution. NOTE: The position adjustment works on RGB3, RGB4, DVD/HD, VIDEO<S>, and VIDEO only.

The clock adjustment and the resolution adjustment work on RGB3 and RGB4 only. The zoom adjustment works on all video inputs. U-7 Picture adjustment You can adjust the picture by pressing the MENU button on the wireless remote control or the control buttons on the bottom of the monitor to display the OSD menu. Using the PICTURE settings in the OSD menu, you can adjust picture settings such as the brightness, contrast, and sharpness. English-27 U-8 Volume control Carry out as necessary When outputting audio from the option stereo speakers, you can control the volume level using the VOL button on the wireless remote control. In addition, you can adjust the volume by pressing the MENU button on the wireless remote control or the control buttons on the bottom of the monitor to display the OSD menu. Using the AUDIO settings in the OSD menu, you can adjust the balance, treble, and bass. Volume control Displaying the OSD menu U-9 Schedule setting Carry out as necessary You can program the power-on/off and input selection using the SCHEDULE setting in the OSD menu that is displayed by pressing the MENU button on the wireless remote control or the control buttons on the bottom of the monitor. English-28 U-9 Schedule setting (continued) How to set up schedule Carry out as necessary Check box Radio button When the cursor is on any of the check boxes showing the program numbers 1 to 7 on the left side of the screen, pressing the UP () or DOWN () button moves the cursor vertically and pressing the PLUS (+) or MINUS (-) buttons moves it horizontally. By pressing the SET button, you can select or deselect the check boxes.

Check box: When the check box is selected, the program is enabled. When it is cleared, the program is disabled. When the SCHEDULE screen is closed, the programs you made become enabled and will be executed at the specified times. When the cursor is on any item of the schedule settings in the white frame, pressing the PLUS (+) button moves it to the right and pressing the MINUS (-) button moves it to the left. You can set the power-on/off time and video input by pressing the UP () or DOWN () button. You can select or deselect the radio buttons by pressing the SET button. ON: Set the time when the power is turned on. If you don't want to set the power-on time, enter "--." OFF: Set the time when the power is turned off. If you don't want to set to the power-off time, enter "--."

" INPUT: Set the video input to be selected when the power is turned on. If you want to select the vide input that was selected before the power is turned on, enter "--." EVERY DAY: Select this option to execute the schedule every day. When you select EVERY DAY, you cannot select any days of the week and EVERY WEEK.



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MON - SUN: Select the days of the week on which you want to execute the schedule.

Unless you select EVERY WEEK, too, the selection of the days of the week is cleared after the schedule is executed one time. EVERY WEEK: Select this option to execute the schedule on the selected days of the week, every week. NOTE: · Before making the schedule settings, be sure to check the current date and time using "DATE AND TIME." · When you close the SCHEDULE screen, the settings are saved. · When two or more schedules are enabled, they are executed in descending order of the program number, and the power is turned off upon completion of the last executed schedule.

· When there are two or more schedules having the same power-on/off time, the one having the largest program number is executed. · You cannot set the power-on time and the power-off time to the same time. · When OFF TIMER is ON, the schedule settings are ignored. English-29 English U-10 Remote control RS-232C Remote control Carry out as necessary By connecting multiple LCD monitors and a computer using RS-232C cables (commercially available), you can control the monitors from the computer for the following operations: · Power ON or OFF · Switching input signals Connection LCD monitor + PC To RS-232C connector IN PC To RS-232C connector OUT To RS-232C connector IN RS-232C cable RS-232C cable · Before making connections, turn off the personal computer and the monitors. Start the personal computer first, and then turn on the monitors. (Otherwise, the com port may be unusable.) NOTE: For connection with a 25-pin serial port connector on the computer, a conversion adapter is required. Contact your dealer for details.

1) Interface PROTOCOL BAUD RATE DATA LENGTH PARITY BIT STOP BIT FLOW CONTROL RS-232C 9600 [bps] 8 [bit] NONE 1 [bit] NONE This LCD monitor uses RXD, TXD and GND lines for RS-232C control. Use RS-232C cables of reverse type (commercially available).
2) Control command diagram The command is structured by the address code, function code, data code and end code. The length of the command is different for each function. NOTE: The example below shows basic commands used for the configuration consisting of one computer and one monitor (one-to-one connection). For the commands for connecting multiple monitors, contact your dealer. Address code HEX ASCII 30h 30h 0' 0' [Address code] [Function code] [Data code] [End code] Function code Function Function Data code Data Data End code 0Dh 30h 30h (ASCII code, 0' 0'), fixed. Code unique to each control function. Data unique to each control function (Not always indicated by numerical values.) 0Dh (In ASCII code, `) fixed. English-30 U-10 Remote control (continued) Carry out as necessary 3) Control sequence (1) A command is sent from the computer to the monitor. (Commands should be sent at intervals of at least 600 ms.

) (2) The monitor sends a return command within 600 ms* after receiving and encoding the command. If the monitor fails to receive the command, it doesn't send any return command. (3) The computer checks the return command to see that the command it sent was executed or not. (4) The monitor sends various codes other than the return code. While RS-232C control sequence is in progress, reject other codes on the personal computer side.

*: Transmission of the return command may be delayed during signal switchover, etc. Example: Turn the power ON (` is for ASCII code) Command from computer Command from monitor 30 30 21 0D 0' 0' !' ` 30 30 21 0D 0' 0' !' ` Detail of command Command for POWER ON Command received (Command echoed back) 4) Operation commands The operation commands configure the basic operation settings of this LCD monitor. The commands may not work during signal switchover. The operation commands have no data codes. Operation POWER ON POWER OFF INPUT RGB 1 INPUT RGB 2 INPUT RGB 3 INPUT RGB 4 INPUT VIDEO INPUT DVD/HD INPUT S-VIDEO · · ASCII ! " _r1 _r2 _r3 _r4 _v1 _v2 _v3 21h 22h 5Fh 72h 31h 5Fh 72h 32h 5Fh 72h 33h 5Fh 72h 34h 5Fh 76h 31h 5Fh 76h 32h 5Fh 76h 33h HEX After sending the POWER ON or POWER OFF command, wait for at least 1 minute to send the next command.

After sending any of the video input selection commands, wait for at least 10 seconds to send the next command. 5) Read command The computer sends the command without data code to the monitor. After receiving this command, the monitor returns the command with data code including the current status to the computer. Example: When the computer asks the power status of the monitor, and the status of the monitor is powered-on. Command from computer 30 30 76 50 0D 0' 0' v' P'[enter] Structure of the Read-command Function POWER ON OFF (stand by) RGB-1 (HDMI) RGB-2 (DVI-D) RGB-3 (D-SUB) RGB-4 (BNC) Video DVD/HD S-VIDEO HIGHBRIGHT STANDARD Around the main board Around the power supply vP vP vI vI vI vI vI vI vM vM Resolution 1°C Resolution 1°C tc1 tc2 ASCII Data (Receive) I 0 r1 r2 r3 r4 v1 v2 v3 p1 p2 (ex.) +25 (ex.) +31 Function 76 50 76 50 76 49 76 49 76 49 76 49 76 49 76 49 76 4D 76 4D 74 63 31 74 63 32 HEX Data (Receive) 31 30 72 31 72 32 72 33 72 34 76 31 76 32 76 33 70 31 70 32 2B 20 32 35 2B 20 33 31 Command from monitor 30 30 76 50 31 0D 0' 0' v' P' 1'[enter] Detail of command Ask about the power status of the monitor. Monitor is powered-on. Input Picture mode Internal temperature English-31 English Configuration and basic operation of OSD screen Configuration of OSD screen This monitor is equipped with the OSD (On Screen Display) function for easy screen adjustment. The OSD function allows you to control the menus displayed on the screen for brightness setting and other settings.

The OSD screen is configured as shown below. Main Menu Screen Sub menu (Adjustment items) Adjustment items are displayed. Adjustment status The values adjusted by the wireless remote control and the PLUS and MINUS buttons on the monitor are displayed. Operation buttons (Key guide) Buttons for controlling the displayed OSD menu are displayed. Main menu Icons other than the one you selected are grayed out. PICTURE SCREEN AUDIO PIP Page 34 Page 35 Page 36 Page 37 CONFIGURATION1 CONFIGURATION2 CONFIGURATION3 ADVANCED OPTION Page 38 Page 39 Page 40 Page 41 Sub menu screen When you select a sub menu, an OSD screen is displayed. Sub menus contain information screens, adjustment menu screens, and selection menu screens as shown below. Sub menu screen: Picture reset (for example) English-32 Configuration and basic operation of OSD screen (continued) Basic operation of OSD English When the MENU button on the wireless remote control or the EXIT button on the monitor is pressed, the OSD screen is displayed. Select a main menu by pressing the or button.



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Wireless remote control Monitor button OSD screen INPUT button Accept the selected main menu by pressing the SET button.

Select a main menu by pressing the INPUT button. Select a sub menu by pressing the or button. Select a sub menu by pressing the or button. INPUT button Accept the selected sub menu by pressing the SET button. Accept the selected sub menu by pressing the INPUT button.

INPUT button Select the setting value by or button pressing the and then press the SET button to accept the setting. Select the setting value by or button and pressing the then press the INPUT button to accept the setting. The OSD screen disappears when you press the MENU button on the wireless remote control once or the EXIT button on the monitor three times. English-33 OSD screen functions PICTURE BRIGHTNESS You can adjust the brightness. Press the PLUS (+) button to increase the brightness.

Press the MINUS (-) button to decrease the brightness. COLOR * For the RGB1, DVD/HD, VIDEO<S>, and VIDEO inputs only. When you select COLOR by pressing the SET button on the wireless remote control, the COLOR screen appears and you can adjust the following. [COLOR]: You can adjust all the colors at the same time. Press the PLUS (+) button to deepen the colors. Press the MINUS (-) button to lighten the colors. [RED], [MAGENTA], [BLUE], [CYAN], [GREEN], or [YELLOW]: You can adjust each color individually. Press the PLUS (+) button to deepen the selected color. Press the MINUS (-) button to lighten the selected color. NOTE : This adjustment doesn't work in the sRGB picture mode.

CONTRAST You can adjust the contrast. Press the PLUS (+) button to brighten dark areas in the image. Press the MINUS (-) button to darken bright areas in the image. SHARPNESS You can adjust the sharpness. Press the PLUS (+) button to make the image look sharper. Press the MINUS (-) button to make the image look softer. NOTE : If you increase the sharpness setting value too much, lines may appear double. In such a case, decrease the sharpness setting value. BLACK LEVEL You can adjust the brightness at the blackest point in the image. Press the PLUS (+) button to brighten dark areas in the image.

Press the MINUS (-) button to darken bright areas in the image. NOTE : This adjustment doesn't work in the sRGB picture mode. COLOR TEMPERATURE You can adjust the color temperature. The image becomes reddish as the color temperature decreases, and it becomes bluish as the color temperature increases. NOTE : This adjustment doesn't work in the sRGB picture mode.

TINT * For the RGB1, DVD/HD, VIDEO<S>, and VIDEO inputs only. When you select TINT by pressing the SET button on the wireless remote control, the TINT screen appears and you can adjust the following. [TINT]: You can adjust all the colors at the same time. Press the PLUS (+) button to add a green tint. Press the MINUS (-) button to add a purple tint.

[RED], [MAGENTA], [BLUE], [CYAN], [GREEN], or [YELLOW]: You can adjust each color individually. Press the PLUS (+) button to shift the selected color to the right around the color circle. Press the MINUS (-) button to shift the selected color to the left around the color circle. RED MAGENTA GAMMA SELECTION You can select the gamma mode from NATIVE, S GAMMA, 2.2, 2.4 and OPTION. NOTE : GAMMA is fixed to 2.2 in the sRGB picture mode.

NOISE REDUCTION * For the VIDEO<S> and VIDEO inputs only. You can adjust the noise reduction level.

Press the PLUS (+) button to increase the value to lessen the noise. FILM MODE You can select the film mode function. AUTO: Images of 24 frames per second are automatically detected and displayed. OFF: Images of 24 frames per second are not automatically detected. NOTE : When FILM MODE is AUTO, set SCAN CONVERSION to PROGRESSIVE. See page 41. YELLOW BLUE PICTURE RESET You can reset all the PICTURE settings to the factory defaults. GREEN Color circle CYAN English-34 OSD screen functions (continued) SCREEN English AUTO SETUP * For the RGB3 and RGB4 inputs only. Press the SET button to automatically adjust the screen size, horizontal position, vertical position, clock, clock phase, white level, and black level. REAL: The image is displayed without being stretched or reduced.

NOTE : In the DYNAMIC mode, the top and the bottom of the image may be cropped. Full HD images are displayed as in the FULL mode. AUTO ADJUST * For the RGB3 and RGB4 inputs only. When AUTO ADJUST is ON, the horizontal position, vertical position, and clock phase are automatically adjusted at the time of the timing switching. CUSTOM ZOOM CUSTOM ZOOM becomes selectable when you set ZOOM MODE to CUSTOM.

ZOOM: You can expand the horizontal and vertical sizes simultaneously. H ZOOM: You can expand the horizontal size only. V ZOOM: You can expand the vertical size only. H POSITION: Pressing the PLUS (+) button moves the image to the right. Pressing the MINUS (-) button moves the image to the left.

V POSITION: Pressing the PLUS (+) button moves the image up. Pressing the MINUS (-) button moves the image down. H POSITION You can adjust the horizontal image position. Press the PLUS (+) button to move the image to the right. Press the MINUS (-) button to move the image to the left. V POSITION

You can adjust the vertical image position. Press the PLUS (+) button to move the image up. Press the MINUS (-) button to move the image down. H RESOLUTION * For the RGB3 and RGB4 inputs only. Use this setting when AUTO SETUP and AUTO ADJUST cannot obtain the horizontal resolution of the image supplied from an external device.

Press the PLUS (+) button to increase the resolution of the input. Press the MINUS (-) button to decrease the resolution of the input. CLOCK * For the RGB3 and RGB4 inputs only. You can adjust the image size of the computer and eliminate blurred letters. Press the PLUS (+) button to expand the width of the image on the screen to the right. Press the MINUS (-) button to narrow the width of the image on the screen to the left. CLOCK PHASE * For the RGB3 and RGB4 inputs only. You can adjust the level of the periodic variation of the screen flicker. V RESOLUTION * For the RGB3 and RGB4 inputs only. Use this setting when AUTO SETUP and AUTO ADJUST cannot obtain the vertical resolution of the image supplied from an external device.

Press the PLUS (+) button to increase the resolution. (The displayed image will shrink vertically.) Press the MINUS (-) button to decrease the resolution. (The displayed image will expand vertically.) ZOOM MODE You can select the mode to stretch the image to fit it to the screen.

For the RGB1, RGB2, RGB3, and RGB4 inputs, you can select FULL, NORMAL, CUSTOM, or REAL. For DVD/HD, VIDEO<S>, and VIDEO, you can select FULL, NORMAL, DYNAMIC, CUSTOM, or REAL. FULL: The image is stretched to fill the screen regardless of its aspect ratio. NORMAL: The image is stretched vertically to the full height of the screen while keeping the aspect ratio.



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DYNAMIC: The image is stretched to fill the screen with different magnifications at the screen center and the screen edges.

*CUSTOM: You can stretch the image horizontally and vertically as you desire using the CUSTOM ZOOM setting. INPUT RESOLUTION * For the RGB3 and RGB4 inputs only. You can select the following resolutions according to the input signal: AUTO, 1024x768, 1280x768, 1360x768, 1400x1050, 1680x1050, 1600x1200, and 1920x1200. AUTO selects the resolution automatically. The setting you select becomes effective when POWER is turned OFF and ON again. SCREEN RESET You can reset all the SCREEN settings to the factory defaults. English-35 OSD screen functions (continued) AUDIO BALANCE You can adjust the balance of the right and left volumes. Press the PLUS (+) button to decrease the left volume. Press the MINUS (-) button to decrease the right volume. TREBLE You can adjust the high frequency sound.*

Press the PLUS (+) button to increase the treble sound. Press the MINUS (-) button to decrease the treble sound. BASS You can adjust the low frequency sound. Press the PLUS (+) button to increase the bass sound. Press the MINUS (-) button to decrease the bass sound. AUDIO RESET You can reset all the AUDIO settings to the factory defaults. English-36 OSD screen functions (continued) PIP (PICTURE IN PICTURE) NOTE: The PIP and POP functions don't work in the CUSTOM and REAL picture size modes. Refer to "PIP, POP function" for details. (See page 43.) PIP MODE You can select the PIP mode from PIP, POP, SBS ASPECT, SBS FULL, and OFF using the PLUS (+) and MINUS (-) buttons.

*See page 43. PIP RESET You can reset all the PIP settings to the factory defaults. PIP POP SBS ASPECT SBS FULL OFF * SBS: SIDE BY SIDE PIP SIZE You can select the size of the sub picture displayed in the PIP mode. You can move the sub picture by pressing the UP (), DOWN (), PLUS (+), and MINUS (-) buttons. PIP AUDIO You can select the audio output in the PIP mode.*

When MAIN is selected, audio of the main picture is output. When SUB is selected, audio of the sub picture is output. PIP H POSITION You can adjust the horizontal position of the sub screen. Press the PLUS (+) button to move the sub screen to the right. Press the MINUS (-) button to move the sub screen to the left.

PIP V POSITION You can adjust the vertical position of the sub screen. Press the PLUS (+) button to move the sub screen up. Press the MINUS (-) button to move the sub screen down. SUB INPUT You can select the video input for the sub screen from HDMI (RGB1), DVI-D (RGB2), D-SUB (RGB3), RGB4, DVD/HD, VIDEO<S>, and VIDEO. English-37 English OSD screen functions (continued) CONFIGURATION1 OFF TIMER You can select the OFF TIMER mode. Select the time period to automatically turn off the power from 1 to 24 hours. NOTE : When OFF TIMER is enabled, the SCHEDULE settings (see page 29) will be disabled. SCHEDULE You can program the LCD monitor operation schedules. (See page 29.) < HOW TO SETUP SCHEDULE > Using the "SCHEDULE" function allows you to set up to seven different scheduled time intervals when the LCD Monitor will be activated.

You can select the time the monitor turns on and turns off, the day of week the monitor is activated, and which input source the monitor will use for each scheduled activation period. A check mark in the box next to the number of the schedule indicates that the selected schedule is in effect. To select which schedule to set, use the up/down arrows to move the number (1 to 7) of the schedule. Use the (+) and (-) buttons to move the cursor horizontally within the particular schedule. Use the and buttons to increase the time and select the input port. The "SET" button is used to make a selection. If you create a schedule but do not want to set the power on time, select "--" in the "ON" time slot. If you do not want to use a power off time select "--" in the "OFF" time slot. If there is no input selected ("--" showing in the input spot) the input from the previous schedule will be used. The selection of EVERY DAY within a schedule takes priority over other schedules that are set up to operate weekly.

When schedules are overlapping, scheduled Power ON time has priority over scheduled Power OFF time. If there are two schedules programmed for the same time, then the highest numbered schedule has priority. When OFF TIMER is enabled, the "SCHEDULE" settings are disabled. DATE AND TIME You can adjust the current date and time for the internal clock. You must set this item when using SCHEDULE.

After completing the setting, be sure to press the SET button (button 5 on page 10). CONFIGURATION1 RESET You can reset all the CONFIGURATION1 settings to the factory defaults. Note that you cannot reset the setting of DATE AND TIME. English-38 OSD screen functions (continued) CONFIGURATION2 English LANGUAGE OSD control menus are available in eight languages. (English, German, Spanish, French, Italian, Swedish, Chinese, and Japanese) OSD TURN OFF The OSD control menu will stay on as long as it is used.

The preset choices are 5 -120 seconds. OSD H POSITION You can adjust the horizontal position of the OSD menu. OSD V POSITION You can adjust the vertical position of the OSD menu. INFORMATION OSD You can enable and disable the information OSD display. The display time is selectable from 1 to 10 seconds. NOTE : The information OSD display shows a message when the input source is switched, the input signal state is changed, or the input signal has an error. NOTE : It is required to connect the same video signal to each monitor via a distributor or RGB OUT. When TILING is activated, PIP, POP, SBS, and STILL are disabled. TILING doesn't work in the REAL picture size mode. H MONITORS: Select the number of images obtained by horizontal division.

V MONITORS: Select the number of images obtained by vertical division. POSITION: Select the area you want to enlarge. FRAME COMP.: When displaying an image across multiple monitors, you can select the mode to compensate for the bezel widths for smooth and natural display. ENABLE: When you select ON, the image in the selected area is enlarged on the screen. POWER ON DELAY You can select the delayed time until the power-on mode is activated after the power is turned on manually or automatically. This setting is useful in hiding start-up messages and powering on the connected devices at different timings. The time is selectable from OFF and 2, 4, 6, 8, 10, 20, 30, 40, and 50 seconds. MONITOR INFORMATION The model name and the serial number of your monitor are displayed. MONITOR ID ID numbers for wireless remote control are assigned to LDT422V monitors that are multi-connected via RS-232C. ID numbers 1 to 26 are selectable. CLOSED CAPTION You can select to display or hide captions.



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