



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ZENITH MU-60PZ12VB. You'll find the answers to all your questions on the ZENITH MU-60PZ12VB in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ZENITH MU-60PZ12VB
User guide ZENITH MU-60PZ12VB
Operating instructions ZENITH MU-60PZ12VB
Instructions for use ZENITH MU-60PZ12VB
Instruction manual ZENITH MU-60PZ12VB



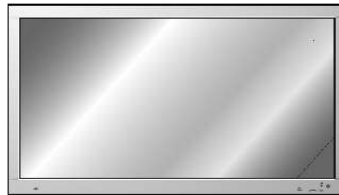
PLASMA MONITOR

Please read this owner's manual carefully before operating the Monitor.
Retain it for future reference.
Record model number and serial number of the Monitor.
See the label attached on the back of the Monitor and quote this information to your dealer when you require service.

Model number :
Serial number :

MU-60PZ12M/12V
MU-60PZ12MA/12VA
MU-60PZ12MB/12VB
MU-60PZ12MK/12VK
MU-60PZ12MS/12VS

OWNER'S MANUAL



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Manual abstract:

Record model number and serial number of the Monitor. @@@@This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: - Reorient or relocate the receiving antenna. - Increase the separation between the equipment and receiver. - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. - Consult the dealer or an experienced radio/TV technician for help. The explanation about colored dots may be present on PDP screen The PDP which is the display device of this product is composed of 0.9 to 2.2 million cells and a few cell defects can occur in the manufacture of the PDP.

Several colored dots visible on the screen would be acceptable, in line with other PDP manufacturers and would not mean that the PDP is faulty. We hope you will understand that the product which corresponds to this standard is regarded as acceptable. It means that it could not be changed or refunded. We promise that we'll do our best to develop our technology to minimize the cell defects. The explanation about noise of 60" PDP In the same way that a fan is used in a PC to keep the CPU cool, the PDP is equipped with cooling fans to improve the reliability of this product.

Therefore, a certain level of noise could occur when the fan is operated. This noise doesn't have any negative effect on its efficiency and liability and it's also determined to have no difficulty while using this product. The noise from the fans is normal in the operation of this product. We hope you will understand that a certain level of noise is acceptable. It means that it is not changeable nor refundable.

Earth wire should be connected. - If the earth wire is not connected, there is possible a danger of electric shock caused by the current leakage. - If grounding methods are not possible, a separate circuit breaker should be employed and installed by a qualified electrician. - Do not connect ground to telephone wires, lightning rods or gas pipe. **WARNING TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. ON/OFF INPUT SELECT VOLUME Table of Contents First step WARNINGS**

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.....59 Keep this manual with Monitor for future easy reference) **WARNINGS WARNING RISK OF ELECTRIC SHOCK DO NOT OPEN WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.** The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. **WARNING: TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.**

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT. 4 Safety instructions Monitor Overview **SAFETY INSTRUCTIONS** Important safeguards for you and your new product Your product has been manufactured and tested with your safety in mind. However, improper use can result in potential electrical shock or fire hazards. To avoid defeating the safeguards that have been built into your new product, please read and observe the following safety points when installing and using your new product, and save them for future reference. Observing the simple precautions discussed in this booklet can help you get many years of enjoyment and safe operation that are built into your new product. This product complies with all applicable U.S. Federal safety requirements, and those of the Canadian Standards Association. **Connections** 1. Read Instructions All the safety and operating instructions should be read before the product is operated.

2. Follow Instructions All operating and use instructions should be followed. slide or fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

Basic operation 3. Retain Instructions The safety and operating instructions should be retained for future reference. 8. Transporting Product Sleep timer 4. Heed Warnings All warnings on the product and in the operating instructions should be adhered to.

A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn. **Picture & Sound** 5. Cleaning Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning. **PORTABLE CART WARNING** 9. Attachments Do not use attachments not recommended by the product manufacturer as they may cause hazards. **Special features** 6. Water and Moisture Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

10. Ventilation Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered.



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<http://yourpdfguides.com/dref/341208>

S-VIDEO OUT (R) AUDIO (L) IN VIDEO < Back panel of VCR > Tips · To avoid picture noise (interference), leave an adequate distance (20 inches or more) between the VCR and monitor. 14 Safety instructions Monitor Overview Connections ON/ R AUDIO L (MONO) VIDEO Y PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT RS-232C OFF (+) R () () L (+) CONTROL REMOTE LOCK CONTROL AV INPUT S-VIDEO COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) EXTERNAL SPEAKER (8) AC INPUT Basic operation ON/ OFF R AUDIO L (MONO)VIDEO Y PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT RS-232C (+) R () () L (+) CONTROL LOCK REMOTE CONTROL AV INPUT S-VIDEO COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) EXTERNAL SPEAKER(8) AC INPUT Sleep timer < Back panel of the Monitor > Picture & Sound Special features To watch VCR INPUT SELECT 1 2 Press INPUT SELECT button on the remote control and select VIDEO. (When connecting with S-Video, select the S-VIDEO.

) Others Insert a video tape into the VCR and press the PLAY button on the VCR. See VCR owner's manual. 15 Cable TV Setup - After subscribing to a cable TV service from a local provider and installing a converter, you can watch cable TV programming. This monitor cannot display TV programming without a TV tuner or cable TV converter box. Speakers shown for illustration only.

ON/ R AUDIO L (MONO) VIDEO Y PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT OFF (+) R () () L (+) CONTROL REMOTE LOCK CONTROL AV INPUT S-VIDEO COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) RS-232C EXTERNAL SPEAKER (8) AC INPUT ON/ OFF R AUDIO L (MONO)VIDEO Y S-VIDEO PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT RS-232C (+) R () () L (+) AV INPUT COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) EXTERNAL SPEAKER(8) CONTROL LOCK REMOTE CONTROL AC INPUT < Monitor back panel > (R) AUDIO (L) TV VCR VIDEO < Cable box > RF Cable To watch cable TV 1 2 Press INPUT SELECT button on the remote control and select VIDEO source. Tune to cable service provided channels using the cable box. INPUT SELECT Tips 16 · For further information regarding cable TV service, contact your local cable TV service provider(s). Safety instructions Monitor Overview External AV Source Setup - As shown below, when connecting the Monitor to an external source, match the colors of AV input

jacks on the Monitor with the output jacks on the audio/video equipment: Video = yellow, Audio (Left) = white, Audio (Right) = red. Connections ON/ R AUDIO L (MONO) VIDEO Y PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT RS-232C OFF (+) R () () L (+) CONTROL REMOTE LOCK CONTROL AV INPUT S-VIDEO COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) EXTERNAL SPEAKER (8) AC INPUT Basic operation ON/ OFF R AUDIO L (MONO)VIDEO Y S-VIDEO PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT RS-232C (+) R () () L (+) CONTROL LOCK REMOTE CONTROL AV INPUT COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) EXTERNAL SPEAKER(8) AC INPUT Sleep timer <Back panel of the Monitor> Camcorder Picture & Sound R AUDIO L VIDEO Video game set Special features DDR To watch external AV source 1 2 Press INPUT SELECT button on the remote control of the monitor to select VIDEO. INPUT SELECT Others Operate the corresponding external equipment. See external equipment operating guide. 17 DVD Setup How to connect a DVD (digital video disk player) · Connect DVD video inputs to Y, PB, PR of COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) and audio inputs to Audio jacks of AV INPUT. ON/ R AUDIO L (MONO) VIDEO Y PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT RS-232C OFF (+) R () () L (+) CONTROL REMOTE LOCK CONTROL AV INPUT S-VIDEO COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) EXTERNAL SPEAKER (8) AC INPUT ON/ OFF R AUDIO L (MONO)VIDEO Y PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT RS-232C (+) R () () L (+) AV INPUT S-VIDEO COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) EXTERNAL SPEAKER(8) CONTROL LOCK REMOTE CONTROL AC INPUT <Back panel of the Monitor> (R) AUDIO (L) B R < Back panel of a DVD player> How to use · Turn on the DVD player, and insert a DVD. · Press INPUT SELECT button on the remote control of the monitor to select COMPONENT.

Use the DVD player according to its owner's manual. · Component Input ports Connect DVD player jacks to Monitor Component input jacks as indicated below. Component input jacks on the Monitor Y Y Y Y PB PR Video output jacks of DVD player Pr Pb B-Y R-Y Cb Cr PB PR 18 Safety instructions Monitor Overview DTV Setup - To watch digitally broadcast programs, purchase/connect a digital SET-TOP BOX. - You can select only the 16:9 picture format in DTV 720p/1080i mode. How to connect a user-supplied Digital Set-top Box · You can use either the Monitor's COMPONENT (Y, Pb, Pr) inputs or the single RGB-DTV INPUT for video connections, depending on your Set Top Box connectors. Then, make the corresponding Audio connections. See the diagram below for either set up. Connections Basic operation ON/ R AUDIO L (MONO) VIDEO Y PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT RS-232C OFF (+) R () () L (+) CONTROL LOCK REMOTE CONTROL AV INPUT S-VIDEO COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) EXTERNAL SPEAKER (8) AC INPUT Sleep timer ON/ OFF R AUDIO L (MONO)VIDEO Y PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT RS-232C (+) R () () L (+) AV INPUT S-VIDEO COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) EXTERNAL SPEAKER(8) CONTROL LOCK REMOTE CONTROL AC INPUT Picture & Sound <Back panel of the Monitor> or (R) AUDIO (L) Y PB PR (R) AUDIO (L) DTV OUTPUT Special features < Back panel of a digital SET-TOP BOX> How to use · Turn on the digital SET-TOP BOX. (Refer to the owner's manual for the digital SET-TOP BOX.) · Press INPUT SELECT button on the remote control to select COMPONENT or RGB.

Others 19 PC Setup - You can easily connect the Plasma Display to your PC for outstanding image and sound.

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- Use the Monitor to display images and sound from a PC Computer source. Setup Instructions to Connect a PC to your Monitor · If the image output of the PC is set higher than UXGA, no picture will appear on the Monitor. (UXGA is not supported.) · Connect the signal cable from the monitor Output port on the PC to the RGB-PC INPUT (VGA/SVGA/XGA/SXGA) port on the Monitor.

· Connect the audio cable from the PC to the Audio ports of the Monitor. (Audio cables are not supplied with the Monitor.) · To set up the Monitor to operate within a PC windows environment, select Normal, Standard or Default monitor. · The Monitor can not be used for Plug and Play functionality. · If your PC computer is equipped with a sound card, adjust the sound output on the PC.

· It is recommended that the resolution output of the PC should be set to 1280 x 720 to get the best quality picture. (Look for a video card that uses the nVIDIA GeForce 2 pro or similar chipset that supports this resolution) ON/ R AUDIO L (MONO) VIDEO Y PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT OFF (+) R () RS-232C () L (+) CONTROL LOCK REMOTE CONTROL AV INPUT S-VIDEO COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) EXTERNAL SPEAKER (8) AC INPUT ON/ R AUDIO L (MONO)VIDEO OFF Y PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT RS-232C (+) R () () L (+) AV INPUT S-VIDEO COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) EXTERNAL SPEAKER(8) CONTROL LOCK REMOTE CONTROL AC INPUT Back panel of the Monitor How to use INPUT SELECT PC Setup · First, turn on the PC computer and press the ON/OFF button on the Monitor to apply power to it. Second, turn on the display by pressing the button on the Monitor or by pressing the POWER button on the Monitor's remote control. · Use the INPUT SELECT button on the remote control to select the RGB input source. · Set the resolution output of the PC to SXGA or under (1280 x 1024, 75Hz). (Refer to page 21.) On the remote control Tips · Avoid keeping a fixed image on the Monitor's screen for a long period of time. The fixed image may become permanently imprinted on the screen; use a screen saver when possible. · If the resolution output of the PC computer is over SVGA, connect the PC to the RGB-PC (VGA/SVGA/XGA/SXGA) input port on the Monitor. Change the PC computer resolution output accordingly.

20 Safety instructions Monitor Overview Monitor Image Display Specifications Resolution 640x350 720x400 Horizontal Vertical Frequency (KHz) Frequency (Hz)

31.468	70.09	37.861	85.08	31.469	70.08	37.927	85.03	31.469	59.	
94	66.66	35.000	37.861	72.80	37.					
500	75.00	43.269	85.00	45.913	90.					
03	53.011	100.04	64.062	120.00	35.156	56.25	37.879	60.31	72.18	48.
077	46.875	75.00	53.674	85.06	56.000	90.00	64.016	100.00	49.725	74.
55	48.363	60.00	56.476	70.06	60.					
023	75.02	68.677	84.99	52.400	69.					
98	54.348	60.05	63.995	70.01	67.500	75.00	77.487	85.05	68.681	75.

06 60.000 60.00 75.000 75.00 63.981 60.02 75.02 79.976 Connections 640x480 Basic operation 800x600 Sleep timer 832x624 1024x768 1280x720 1152x864 1152x870 1280x960 1280x1024 Picture & Sound Special features Others Tips · Synchronization input form : separate 21 PC Mode Feature Check (Overview) · Select RGB first, see page 11. · Make sure the PC and monitor are both turned on.

· Use the monitor's remote control to make adjustments. MENU 1 2 Press the MENU button to show a menu on screen. Press the D / E button to select a menu. · Each press will cycle through the different menus as shown below. APC DRP CONTRAST BRIGHTNESS COLOR TINT SHARPNESS D MOVE E G G 85 50 50 0 50 G G G G G NEXT AEXIT <Picture menu> DASP AVL TREBLE BASS BALANCE G G 50 50 0 G G G D MOVE E G NEXT AEXIT <Sound menu> OSD ROTATE ARC SCREEN TRANSPARENCY PIP/DW SET ID COLOR TEMP.

D MOVE E G G G G G G G NEXT AEXIT <Special menu> VOL VOL 3 Press the G button and then press the D / E or F / G buttons to select a feature you want to use. · Press the OK button to exit menus. 22 Safety instructions Monitor Overview PC Mode Adjustments Auto adjustment - Automatically adjusts picture position and eliminates any image shaking. READY Connections Press the MENU button and then press the select MENU D / E button to menu. Press the G button.

VOL Basic operation 1 2 Press the D / E button to select SCREEN and then press the G button. VOL OSD ROTATE ARC SCREEN SCREEN TRANSPARENCY PIP/DW SET ID COLOR TEMP. G G G G G TO SET Sleep timer G G G Press the button. D / E button to select AUTO.CONFIG. LANGUAGE AUTO.CONFIG. CAPTION V-POSITION AUTO OFF H-POSITION SCREEN PHASE RGB-OUTPUT RESET VOL G G G G G TO G G G Picture & Sound AUTO.CONFIG. and then press the G SET Special features · When AUTO.

CONFIG. has finished, "OK" will be shown on screen. · If the position of the image is incorrect, try Auto adjustment again. 3 If picture needs to be adjusted more after Auto adjustment, you can manually adjust the image position and PHASE. Others Tips · If the image is still not correct, your Monitor is functioning properly but needs further adjustment. 23 PC Mode Adjustments Adjusting horizontal / vertical position manually - Only adjust V-POSITION and H-POSITION in DTV or component 480p/720p/1080i. READY Press the MENU button and then press the select MENU D / E button to menu. Press the G button. VOL 1 Press the D / E button to select SCREEN and then press the G button. VOL OSD ROTATE ARC SCREEN SCREEN TRANSPARENCY PIP/DW SET ID COLOR TEMP.

G G G G G G G TO SET 2 Press the D / E button to select V-POSITION and then press the G button. LANGUAGE AUTO.CONFIG. CAPTION V-POSITION V-POSITION AUTO OFF H-POSITION SCREEN PHASE RGB-OUTPUT RESET G G G G G G G G 0 VOL 3 Press the F / G buttons to adjust until you get desired horizontal or vertical position and then press the OK button to remove menus. · The adjustment range of V-POSITION is -50 ~ +50.

· The adjustment range of H-POSITION is -100 ~ +100. · Based on the input mode, the adjustment range of V-POSITION/H-POSITION may change. · Based on the input signal, the position of the picture may not change even though you have adjusted the horizontal or vertical position with this function. OK VOL VOL 24 Safety instructions Monitor Overview Picture Phase Adjustments · If the picture isn't clear after auto adjustment and especially if the characters are still trembling, then adjust the picture phase manually. · When watching PIP/TWIN PICTURE, the SCREEN menu option is not available.



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READY Connections Press the MENU button and then press the select MENU D / E button to menu. Press the G button. VOL Basic operation 1 2 3 Press the D / E button to select SCREEN and then press the G button. VOL OSD ROTATE ARC SCREEN SCREEN TRANSPARENCY PIP/DW SET ID COLOR TEMP. G G G G G TO SET Sleep timer G G Press the D / E button to select PHASE and then press the G button. VOL Picture & Sound LANGUAGE AUTO.CONFIG. CAPTION V-POSITION AUTO OFF H-POSITION SCREEN PHASE PHASE RGB-OUTPUT RESET G G G G G G G G 30 Special features Press the F / G button to adjust phase and then press the OK button. · The adjustment range of PHASE is 0 ~ 63. OK VOL VOL Others Initializing (Reset to factory value) · To initialize the adjusted value, select RESET with the press the G button.

D / E button and then 25 Picture In Picture (PIP) function - PIP lets you view 2 different inputs (sources) on your monitor screen at the same time. One source will be large, and the other source will show a smaller inset image. - Select RGB input source before pressing PIP. @@@@ @@@@ @@@@ @@@@ @@@@ @@@@ @@@@ @@@@ @@@@ @@@@ @@@@ Each source is given half the screen. - Select RGB input source. @@@@ @@@@ @@@@ @@@@ · Install two 1.5V "AAA" alkaline batteries. @@@@ Don't place the remote control near a heater or damp place. Strong impact on the remote control may cause operation failure. @@@@ At this moment, the Monitor is switched to standby mode. @@@@ Select ROTATE when mounting the monitor vertically. 3 Press the OK button to exit. Others OK 33 Checking features - Use the remote control to make adjustments. - Select VIDEO input source MENU 1 2 Press the MENU button. Press the D / E button. · Each press will cycle through the menus shown below. APC DRP CONTRAST BRIGHTNESS COLOR TINT SHARPNESS D MOVE E G G 100 50 50 0 50 G G G G G NEXT AEXIT <Picture menu> DASP AVL TREBLE BASS BALANCE G G 50 50 0 G G G D MOVE E G NEXT AEXIT <Sound menu> OSD ROTATE ARC SCREEN TRANSPARENCY PIP/DW SET ID COLOR TEMP. D MOVE E G G G G G G G G NEXT AEXIT <Special menu> VOL VOL 3 Press the G button to select a feature to adjust, and then press the D / E or F / G buttons to adjust the selected item. · Press the OK button to exit. 34 Safety instructions Monitor Overview Setting Sleep Timer Sleep Timer turns the Monitor off after a preset time SLEEP Press the SLEEP button to set sleep time. Each time you press SLEEP button, the next preset setting time is changed as follows: F --- G F 240 G F 180 G F 120 G F 90 G F 60 G F 10 G F 20 G F 30 G Connections Basic operation SLEEP F 30 G Sleep timer · To release sleep time setting, press the SLEEP or F / G button repeatedly to select F --- G. · SLEEP 1' will be displayed one minute before the Monitor is due to switch off. Picture & Sound Special features Tips · When the sleep time you want is displayed on the screen, don't press the SLEEP button. After 20 seconds, the screen display disappears and sleep time is set. · To check remaining sleep time after setting, press the SLEEP or OK button just once. · If you turn the Monitor off after setting the sleep timer, the setting is erased. The sleep timer will then have to be set again. 35 Others Auto picture control Use APC to set the Monitor for the best picture appearance - APC is not available in RGB or PIP/TWIN PICTURE modes. APC (Auto Picture Control) APC 1 Press the APC button. 2 Press the APC or F / G buttons to select your desired picture condition.

APC F CLEAR G · Each press of shown below. CLEAR F / G buttons changes the screen display as SOFT USER · You can also select CLEAR, SOFT or USER in the PICTURE menu. User refers to adjustments you made to the picture menu items. See next page. 36 Safety instructions Monitor Overview Adjusting picture appearance - PIP and Twin picture inset settings are not adjustable. READY Connections Press the MENU button and then press the select MENU D / E button to menu. Press the G button. VOL Basic operation 1 Example : Changing the contrast. Press the D / E button to select CONTRAST and then press the G button. VOL Sleep timer APC DRP CONTRAST BRIGHTNESS COLOR TINT SHARPNESS G G 100 50 50 0 50 G G G G G Picture & Sound 2 Use the F / G buttons to make appropriate adjustments and then press the OK button. · Press the D / E buttons to select other items. OK Special features APC DRP CONTRAST BRIGHTNESS COLOR TINT SHARPNESS G G 70 50 0 0 50 G G G G G VOL VOL Others · Adjust BRIGHTNESS, COLOR, TINT and SHARPNESS in the same way. 37 DRP (Digital Reality Picture) DRP improves image outlines in dark screens. - This function works in video, component 480i mode. READY Press the MENU button and then press the select MENU D / E button to menu.

Press the G button. VOL 1 Press the D / E button to select DRP and then press the G button. VOL APC DRP CONTRAST BRIGHTNESS COLOR TINT SHARPNESS 100 50 50 0 50 G G G G G G G G CLEAR SOFT 2 Press the D / E button to select CLEAR or SOFT. APC DRP CONTRAST BRIGHTNESS COLOR TINT SHARPNESS G G 100 50 50 0 50 G G G G G CLEAR SOFT 3 38 Press the OK button to exit. OK Safety instructions Monitor Overview Adjusting sound Manual setting READY Press the MENU button and then press the select MENU D / E button to Connections menu. Press the G button. VOL Basic operation 1 Example : Adjustment treble Use the D / E buttons to select TREBLE and then press the G button. VOL DASP AVL TREBLE BASS BALANCE G G 50 50 50 0 G G G Sleep timer Picture & Sound 2 Use the F / G buttons to make appropriate adjustment and then press the OK button to exit. · Press the D / E buttons to select other options. Special features DASP AVL TREBLE BASS BALANCE G G 70 50 0 G G G VOL VOL OK Others · Adjust BASS and BALANCE in the same way. 39 Auto Sound Control DASP (Digital Auto Sound Processing) · This function lets you enjoy the best sound without any manual adjustment because the Monitor automatically selects the appropriate audio tone levels based on the program content. DASP 1 2 Press the DASP button. Press the DASP or setup. F / G buttons to select a sound DASP F USER G · Each press of DASP or F / G buttons changes the screen display as shown below. FLAT USER SPORTS MUSIC CINEMA · You can also select FLAT, SPORTS, CINEMA, MUSIC or USER in the SOUND menu.

40 Safety instructions Monitor Overview AVL (Auto Volume Leveler) This feature maintains an equal volume level; even if you change channels.



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READY Connections Press the MENU button and then press the select MENU D / E button to menu. Press the G button. VOL Basic operation 1 Press the D / E button to select AVL and then press the G button. DASP AVL TREBLE BASS BALANCE G G 50 50 0 G G ON OFF Sleep timer G VOL Picture & Sound 2 Press the OFF. D / E button to select ON or DASP AVL TREBLE BASS BALANCE G G 50 50 0 G G ON OFF Special features 3 Press the OK button to exit. Others OK 41 Using Still function - This feature isn't available for RGB input source. - Use with A/V or COMPONENT video inputs. STILL 1 Press the STILL button. · The image displayed is frozen(still).

· The sub picture is stilled in PIP or Twin picture mode. · In PIP or TWIN PICTURE modes, the sub (inset) picture is frozen. <Moving image> <Still image>
2 Tips To return to normal viewing, press the STILL button again. · If still picture is on the screen for more than 5 minutes, the image becomes dark. If another function is activated, normal brightness of the screen is restored.

· This is a protective feature designed to reduce a ghost image burning into the monitor. · This feature does not work with RGB source. 42 Safety instructions Monitor Overview Using the screen options - This function works only in the video mode. - Use this option if there are a trembling or instability of a video tape on screen during viewing the video. READY Connections Press the MENU button and then press the select MENU D / E button to menu.

Press the G button. VOL Basic operation 1 Use the D / E button to select SCREEN and then press the G button. VOL OSD ROTATE ARC SCREEN TRANSPARENCY PIP/DW SET ID COLOR TEMP. G G G G G G TV VCR Sleep timer Picture & Sound 2 Use the D / E buttons to select TV or VCR. · Select the VCR option if watching a VCR. · Select the TV option for other equipment.(Except VCR) · Each time you press the D / E button you toggle between TV and VCR. VOL OSD ROTATE ARC SCREEN TRANSPARENCY PIP/DW SET ID COLOR TEMP. G G G G G G TV VCR VCR Special features 3 Press the OK button to exit. OK Others 43 Adjusting OSD Transparency To make the menus clear or opaque READY Press the MENU button and then press the select MENU D / E button to menu.

Press the G button. VOL 1 Press the D / G E button to select OSD ROTATE ARC SCREEN TRANSPARENCY PIP/DW SET ID COLOR TEMP. VOL G G G G G G G TRANSPARENCY and then press the button. 5 2 Press the F / transparency. G buttons to adjust OSD OSD ROTATE ARC SCREEN TRANSPARENCY PIP/DW SET ID COLOR TEMP. G G G G G G · The adjustment range of TRANSPARENCY is 0 ~ 5. VOL VOL 3 3 44 Press the OK button to exit. OK Safety instructions Monitor Overview Adjusting color temperature - Adjustments also affect the color temperature of other input sources. Readjust color temperature for PC input (RGB) if necessary. - To initialize adjusted value, select '0' in RED, GREEN and BLUE.

READY Connections Press the MENU button and then press the select MENU D / E button to menu. Press the G button. VOL Basic operation 1 Press the D / E button to select OSD ROTATE ARC SCREEN TRANSPARENCY PIP/DW SET ID COLOR TEMP. G G G G G G G COLOR TEMP. and then press the G Sleep timer TO SET VOL Picture & Sound 2 Press the D / E button to select RED and then press the G button. (to adjust RED setting) VOL RED RED CAPTION GREEN AUTO OFF BLUE SCREEN RGB-OUTPUT G G G G G G 0 Special features · Adjust GREEN and BLUE in the same way. 3 Use the F / G button to make appropriate adjustments and then press the OK button. Others VOL VOL OK · The adjustment range of RED, GREEN and BLUE is -5 ~ +5. 45 Setting picture format - With the RGB-PC input, you can select either 16:9 or 4:3 screen aspect ratios.

- With the RGB-DTV (720p, 1080i) input, you can select only 16:9 screen aspect ratios. - If 4:3 mode is used for a long time, the outline of the image may remain on the screen after you change to the 16:9 screen. - Don't display 4:3 picture format or TWIN PICTURE for more than 10 hours continuously. ARC Press the ARC button to select a desired picture format. · Each time you press ARC or F / G buttons, you can select 16:9, 4:3 or ZOOM alternatively. ARC F 16 : 9 G <16:9> ARC F 4:3 G <4:3> ARC F ZOOM G <Zoom> · You can also select 16:9, 4:3 or ZOOM in the SPECIAL menu. 46 Safety instructions Monitor Overview External Control Device Setup - Connect the RS-232C input jack to an external control device (such as a computer or an A/V control - When you connect a control (RS-232C) cable to this monitor, use control cable attached the ferrite core. If you do not do this, this monitor will not conform to mandatory CISPR22 (EN55022) standards. system) and control the Monitor's functions externally. How to connect external control equipment · Connect the serial port of the control device to the RS-232C jack on the Monitor back panel.

· RS-232C connection cables are not supplied with the Monitor. · The Monitor remote control and front panel controls (except main power) will not be functional if the Monitor is controlled by a PC computer or other external device. Connections Basic operation Sleep timer ON/ R AUDIO L (MONO) VIDEO Y PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT OFF (+) R () RS-232C () L (+) CONTROL REMOTE LOCK CONTROL AV INPUT S-VIDEO COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) EXTERNAL SPEAKER (8) AC INPUT Picture & Sound ON/ R AUDIO L (MONO)VIDEO OFF Y PB PR RGB-PC INPUT (VGA/SVGA/XGA/SXGA) RGB-DTV INPUT (480p/720p/1080i) R AUDIO L AUDIO INPUT RS-232C (+) R () L (+) AV INPUT S-VIDEO COMPONENT (480i/480p/720p/1080i) (DVD/DTV INPUT) EXTERNAL SPEAKER(8) CONTROL LOCK REMOTE CONTROL AC INPUT Special features Monitor Rear Connections Panel Others 47 External Control Device Setup Type of connector : D-Sub 9-pin male No. 1 2 3 4 5 6 7 8 9 Pin name No connection RXD (Receive data) TXD (Transmit data) DTR (DTE side ready) GND DSR (DCE side ready) RTS (Ready to send) CTS (Clear to send) No Connection 1 5 Pin No.4 and Pin No.6 must be connected on monitor side. 9 6 * Use a null modem cable. Wire the 7-Wire cable so that each pair of data lines cross between the two devices. These data line pairs are RXD (Receive data) and TXD (Transmit data), DTR (DTE side ready) and DSR (DCE side ready), and RTS (Ready to send) and CTS (Clear to send).



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When using the 3-Wire cable connected to RXD, TXD and GND; Pin No.

4 (DTR) and Pin No. 6 (DSR) must be connected to the monitor. (The cable must be disconnected from the Monitor to be able to use the remote control and Monitor front panel controls.) * With the RS-232 input connected, the Monitor cannot be controlled by both an external control device and the remote control at the same time. The Monitor can only be controlled by either the remote control or the external control device.

RS-232C configurations 7-wire configuration (Standard RS-232C cable) PC RXD TXD GND DTR DSR RTS CTS 2 3 5 4 6 7 8 DB 9 PDP 3 2 5 6 4 8 7 DB 9 TXD RXD GND DSR DTR CTS RTS RXD TXD GND DTR DSR RTS CTS 3-wire configuration (Not standard) PC 2 3 5 4 6 7 8 DB 9 PDP 3 2 5 4 6 7 8 DB 9

TXD RXD GND DTR DSR RTS CTS Control line 7-Wire Cable Configuration · The Monitor is available to switch between external adjustment and remote control adjustment using a control line. Note: If the control line is high, the monitor is controlled by the external control device. If the control line is low, the Monitor is controlled by the Monitor's remote control. 3-Wire Cable Configuration · When using a 3-Wire cable configuration there is no control line. The external control device must put the Monitor into the "change into remote control adjustment mode" (see page 54).

The Monitor will then be able to be controlled by the remote control. If the Monitor is turned back on, it will revert back to external device control. 48 Safety instructions Monitor Overview SET ID · Use this function to specify a monitor ID number. READY Connections Press the MENU button and then press the select MENU D / E button to menu. Press the G button. Basic operation VOL Sleep timer 1 Use the D / E buttons to select SET ID and then press the G button. OSD ROTATE ARC SCREEN TRANSPARENCY PIP/DW SET ID COLOR TEMP. G G G G G G G 1 Picture & Sound VOL Special features 2 Use the F / G button to adjust SET ID to choose the desired monitor ID number. · The adjustment range of SET ID is 1 ~ 99. VOL VOL OSD ROTATE ARC SCREEN TRANSPARENCY PIP/DW SET ID COLOR TEMP.

G G G G G G G 1 1 OK Others 49 External Control Device Setup - The RS-232C input jack is used to control the Monitor's functions using an external control device. Communication Parameters · Baud rate : 2400 bps (UART) · Data length : 8 bits · Parity : None · Stop bit : 1 bit · Communication code :

ASCII code * If the command interval is interrupted for more than 4 seconds, only Command 1 will be recognized. Be careful when using the power command. Transmission / Receiving Protocol Transmission [Command][][Set ID][][Data][Cr] * [Command] : To control PDP set. : You can adjust the set ID to choose * [Set ID] desired monitor ID number in special menu. See page 49. Adjustment range is 1 ~ 99. When selecting Set ID '0', every connected PDP set is controlled. : To transmit command data. * [DATA] Transmit 'FF' data to read status of command.

: Carriage Return * [Cr] ASCII code '0x0D' : ASCII code 'space (0x20)' * [] OK Acknowledgement [Set ID][:][OK][x][Data][x] Command Reference List NAME 01. Power 02. Input Select 03. Aspect Ratio 04. Screen mute 05.

Volume mute 06. Volume control 07. Contrast 08. Brightness 09. Color 10.

Tint 11. Sharpness 12. OSD select 13. Abnormal state 14. PIP/DW 15. PIP input select 16. PIP sound select 17. PIP position 18. remote control adjustment mode COMMAND p i r m w v k b c t s d a z e u x j DATA RANGE 0~1 0~3 0~2 0~1 0~1 0 ~ 64 0 ~ 64 0 ~ 64 0 ~ 64 0 ~ 64 0~1 0~1 0~3 0~1 0~1 0~3 0~1 * The Monitor transmits ACK (acknowledgement) based on this format when receiving normal data. At this time, if the data is data read mode, it indicates present status data.

If the data is data write mode, it returns the data of the PC computer. Error Acknowledgement [Set ID][:][NG][x] * The Monitor transmits ACK (acknowledgement) based on this format when receiving abnormal data from non-viable functions or communication errors. 50 Safety instructions Monitor Overview 01. Power (Command:p) G To control Power On/Off of the Monitor. Transmission [p][][Set ID][][Data][Cr] Data 0 : Power Off 1 : Power On * Example : Power on for set ID No.3. Type : P 3 1 '0x0D' Acknowledgement [Set ID][:][OK][x][Data][x] Data 0 : Power Off 1 : Power On * In example : Monitor Acknowledges power on for set ID No.3. G To show Power On/Off. Transmission [p][][Set ID][][FF][Cr] Acknowledgement [Set ID][:][OK][x][Data][x] Data 0 : Power Off 1 : Power On (RGB) 2 : Power On (Video) 3 : Power On (Component) 4 : Power On (S-Video) * In like manner, if other functions transmit 'FF' data based on this format, Acknowledgement data feed back presents status about each function.

03. Aspect Ratio (Command:r) G To adjust the screen format. You can also adjust the screen format using the ARC (Aspect Ratio Control) button on remote control or in the Special menu. Transmission [r][][Set ID][][Data][Cr] Data 0 : Wide screen (16:9) 1 : Normal screen (4:3) 2 : Full screen (Zoom) Acknowledgement [Set ID][:][OK][x][Data][x] Data 0 : Wide screen (16:9) 1 : Normal screen (4:3) 2 : Full screen (Zoom) * Using the PC input, you select either 16:9 or 4:3 screen aspect ratio. * Using the DTV 720p/1080i input, you can only select 16:9 screen aspect ratio.

Connections Basic operation Sleep timer 04. Screen mute (Command:m) G To select screen mute on/off. Transmission [m][][Set ID][][Data][Cr] Data 0 : Screen mute on (Picture off) 1 : Screen mute off (Picture on) Acknowledgement [Set ID][:][OK][x][Data][x] Data 0 : Screen mute on (Picture off) 1 : Screen mute off (Picture on) Picture & Sound 02. Input select (Command:i) G To select input source for the Monitor. You can also select an input source using the INPUT SELECT button on the Monitor's remote control.

Transmission [i][][Set ID][][Data][Cr] Data 0 : RGB 1 : AV (Video) 2 : Component 3 : S-AV (S-Video) Acknowledgement [Set ID][:][OK][x][Data][x] Data 0 1 2 3 : RGB : AV (Video) : Component : S-AV (S-Video) Special features 05. Volume mute (Command:w) G To control volume mute on/off. You can also adjust mute using the MUTE button on remote control. Transmission [w][][Set ID][][Data][Cr] Data 0 : Volume mute on (Volume off) 1 : Volume mute off (Volume on) Acknowledgement [Set ID][:][OK][x][Data][x] Data 0 : Volume mute on (Volume off) 1 : Volume mute off (Volume on) Others 51

External Control Device Setup 06. Volume control (Command:v) G To adjust volume. You can also adjust volume with the volume buttons on remote control. Transmission [v][][Set ID][][Data][Cr] Data Min : 0 ~ Max : 64 * Refer to 'Real data mapping' as shown below. Acknowledgement [Set ID][:][OK][x][Data][x] Data Min : 0 ~ Max : 64 09. Color (Command:c) G To adjust the screen color.



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You can also adjust color in the Picture menu.

Transmission [c][][Set ID][][Data][Cr] Data Min : 0 ~ Max : 64 * Refer to 'Real data mapping' as shown below. Acknowledgement [Set ID][:][OK][x][Data][x] Data Min : 0 ~ Max : 64 10. Tint (Command:t) G To adjust the screen tint. You can also adjust tint in the Picture menu 07. Contrast (Command:k) G To adjust screen contrast. You can also adjust contrast in the Picture menu. Transmission [k][][Set ID][][Data][Cr] Data Min : 0 ~ Max : 64 * Refer to 'Real data mapping' as shown below. Acknowledgement [Set ID][:][OK][x][Data][x] Data Min : 0 ~ Max : 64 Transmission [t][][Set ID][][Data][Cr] Data Red : 0 ~ Green : 64 * Refer to 'Real data mapping' as shown below. Acknowledgement [Set ID][:][OK][x][Data][x] Data Red : 0 ~ Green : 64 11. Sharpness (Command:s) G To adjust the screen sharpness.

You can also adjust sharpness in the Picture menu Transmission [s][][Set ID][][Data][Cr] 08. Brightness (Command:b) G To adjust screen brightness. You can also adjust brightness in the Picture menu. Transmission [b][][Set ID][][Data][Cr] Data Min : 0 ~ Max : 64 * Refer to 'Real data mapping' as shown below. Acknowledgement [Set ID][:][OK][x][Data][x] Data Min : 0 ~ Max : 64 Data Min : 0 ~ Max : 64 * Refer to 'Real data mapping' as shown below. Acknowledgement [Set ID][:][OK][x][Data][x] Data Min : 0 ~ Max : 64 * Real data mapping 0 : Step 0 A : Step 10 F : Step 15 10 : Step 16 64 : Step 100 52 Safety instructions Monitor Overview 12. OSD select (Command:d) G To select OSD (On Screen Display) on/off. Transmission [d][][Set ID][][Data][Cr] Data 0 : OSD off 1 : OSD on Acknowledgement [Set ID][:][OK][x][Data][x] Data 0 : OSD off 1 : OSD on * The remote control and Monitor front panel controls (except main power) are not operable when the Monitor is set up to be controlled by the PC computer. 14. PIP / DW (Command:z) G To control PIP (Picture-in-Picture) or twin picture (DW).

You can also control PIP/DW using the pip/twin picture button on remote control or in the Special menu. Transmission [z][][Set ID][][Data][Cr] Data 0 1 2 3 : PIP/DW off : PIP (small) : PIP (large) : Twin picture (DW) Connections Acknowledgement [Set ID][:][OK][x][Data][x] Data 0 1 2 3 : PIP/DW off : PIP (small) : PIP (large) : Twin picture (DW) Basic operation Sleep timer 13. Abnormal state (Command:a) G To recognize an abnormal state. Transmission [a][][Set ID][][FF][Cr] Acknowledgement [Set ID][:][OK][x][Data][x] Data 0 1 2 3 : OK : Fan alarm : 5V down : AC down * PIP only works in the following resolutions: RGB PC 640x480 (VGA) / 800x600 (SVGA) / 1024x768 (XGA) (only in vertical frequency 60Hz), Component 480p / 720p / 1080i. * Twin picture works only in the following resolutions: RGB PC 640x480 (VGA) (only in vertical frequency 60Hz), RGB DTV, Component 480p/720p/1080i. Picture & Sound 15. PIP input select (Command:e) G To select input source for sub picture in PIP mode. @@@@ @@@@ You can also select sound select in PIP/DW on the special menu. @@ Change into Remote control adjustment mode (Command:j) G To control the Monitor with the remote control while the cable is still connected. Transmission [j][][Set ID][][Data][Cr] Data 1 : Remote control adjustment mode Acknowledgement [Set ID][:][OK][x][Data][x] Data 0 : PC adjustment mode 1 : Remote control adjustment mode * If external equipment commands the Monitor to "change into remote control adjustment mode", the Monitor can only be adjusted by the remote control.

To revert the Monitor control to external control device adjustment, turn the Monitor off and then on again. 17. PIP position (Command:x) G To select sub picture position for PIP. You can also adjust the sub picture position using the position button on the remote control or in PIP/DW on the Special menu.

Transmission [x][][Set ID][][Data][Cr] Data 0 : Right down on screen 1 : Left down on screen 2 : Left up on screen 3 : Right up on screen Acknowledgement [Set ID][:][OK][x][Data][x] Data 0 1 2 3 : : : Right down on screen Left down on screen Left up on screen Right up on screen 54 Safety instructions Monitor Overview IR CODE (NEC Format) How to connect G Connect your wired remote control to remote control jack of the monitor. Set the CONTROL LOCK 'ON' on the monitor back panel to work wired remote control. Connections Remote Control IR Code (NEC Format) G Output waveform Single pulse, modulated with 37.917KHz signal at 455KHz TC Carrier frequency FCAR = 1/TC = fOSC/12 Duty ratio = T1/TC = 1/3 Basic operation T1 G Configuration of frame Sleep timer · 1st frame Lead code Low custom code High custom code Data code Data code C0 C1 C2 C3 C4 C5 C6 C7 C0 C1 C2 C3 C4 C5 C6 C7 D0 D1 D2 D3 D4 D5 D6 D7 D0 D1 D2 D3 D4 D5 D6 D7 Picture & Sound · Repeat frame Repeat code Tf Special features G Lead code 9 ms 4.5 ms G Repeat code 0.55 ms Others 9 ms 2.

25 ms 55 IR CODE (NEC Format) G Bit description · Bit "0" 0.56 ms · Bit "1" 0.56 ms 1.12 ms G Frame interval : Tf The waveform is transmitted as long as a key is depressed. Tf Tf 2.

24 ms Tf=108ms @455KHz Code (Hexa) 00H 01H 02H 03H 08H C4H C5H 09H 0BH 98H 5AH 51H BFH 0EH 1BH or 44H 42H 47H 4DH 60H 61H 62H 65H or BCH 6BH 79H 77H 76H AFH Function UP (D) DOWN (E) VOL+ (G) VOL- (F) POWER POWER ON SYSTEM OFF MUTE INPUT SELECT RGB VIDEO S-VIDEO COMPONENT SLEEP OK (Á) MENU DASP APC PIP PIP INPUT (PIP) POSITION STILL TWIN PICTURE ARC ARC (16: 9) ARC (4 : 3) ARC (ZOOM) Note R/C Button R/C Button R/C Button R/C Button R/C Button (Power On/Off) Discrete (Only Power On) Discrete (Only System Off) R/C Button R/C Button Discrete (Input RGB & Power On) Discrete (Input VIDEO & Power On) Discrete (Input S-VIDEO & Power On) Discrete (Input COMPONENT & Power On) R/C Button R/C Button R/C Button R/C Button R/C Button R/C Button R/C Button R/C Button R/C Button R/C Button Discrete (Only 16:9 mode) Discrete (Only 4:3 mode) Discrete (Only ZOOM mode) 56 Safety instructions Monitor Overview Maintenance - Early malfunction can be prevented. Careful and regular cleaning can extend the amount of time you will have with your new Monitor. Be sure to turn the power off and unplug the power cord before you begin any cleaning. Cleaning the screen 1. Here's a great way to keep the dust off your screen for a while.

Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen. 2. Make sure the excess water is off the screen, and then let it air-dry before you turn on your Monitor. Connections Basic operation Sleep timer Cleaning the cabinet To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth. Please be sure not to use a wet cloth. Picture & Sound Special features Extended absence If you leave your Monitor dormant for a long time (such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges.



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Others 57 Troubleshooting check list · Check whether the Monitor is turned on. No picture & No sound · Power cord inserted into wall outlet? · Plug another product's power cord into the wall outlet where the Monitor's power cord was plugged in. Picture OK & No sound · Press the VOLUME (G) button.

· Sound muted? Press MUTE button. · Check to see if there is any object between the Plasma Display and the remote control causing obstruction. The remote control doesn't work · Check to see if the batteries are installed with the correct polarities. (Refer to p.31) · Install new batteries. (Refer to p.31) · Select COLOR in the PICTURE menu and press the VOLUME (G) button. (Refer to p.37) No or Poor color or Poor picture · Increase the distance between the Monitor and the VCR. · Activate any function to restore the brightness of the picture.

(If still picture is on the screen for more than 5 minutes, the screen gets dark.) No output from one of the speakers · Adjust BALANCE in the SOUND menu. (Refer to p.39) 58 Safety instructions Monitor Overview Product specifications Connections MODEL Width (inches / mm) Height (inches / mm) Depth (inches / mm) Weight (pounds / kg) Power requirement Resolution Color Temperature (In operation) Humidity (In operation) MU-60PZ12M/MA/MB/MK/MS MU-60PZ12V/VA/VB/VK/VS 57.3 / 1455 34.

8 / 883 3.9 / 99 154.3 / 70 120V, 60Hz 1280 x 720 (Dot) 16,770,000 (256 steps of each R, G and B) 0 ~ 40°C under 80% Basic operation Sleep timer Picture & Sound Special features · The specifications shown above may be changed without prior notice for quality improvement. Others 59 P/NO : 3828VA0277W a (NP00KB).



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