

3m touch screen monitor manual



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Book Descriptions:

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Proprietary Information Proprietary Information. Proprietary Information. As a 3M Touch Systems customer, you are aware that we have strong internal programs that meet or exceed environmental regulations of our customers and the regions in which we conduct business. One end of this cable plugs into the USB connector JP7 on the RX181 controller. Choose a convenient spot away from highvoltage, high power cables and electronics. Use 440 metal screws to mount the controller using the two diagonal mounting holes in the board. The controller should be mounted in line with the sensor cable exit point to minimize cable flexing. The RX181 controller provides diagnostic feedback with a light emitting diode LED on the component side of the board that indicates the status of the sensor. You must obtain a HID calibration utility from the 3M Touch Systems website. Additional 3M Touch Systems documentation is available from the corporate website at www.3Mtouch.com. To optimize the performance of the RX181 controller and simplify the development of custom drivers, 3M Touch Systems recommends you use the commands listed in this chapter for current development. 3M Touch Systems, Inc. Proprietary Information. This calibration tool is available from 3M Touch Systems. Receiving Reports from the Controller The controller sends a variety of reports to the computer. It is an asynchronous report that is activated by default at power up. The commands listed below are those that 3M Touch Systems currently use for communications. 3M Touch Systems recommends that you use only these commands for RX181 controller communications. Controller Initialization To initialize the RX181 controller, 3M Touch Systems recommends that the host system issue a Reset command whenever the host system is powered on and is attempting to establish communication with the controller. This action is essential in getting a calibration utility to function. The endpoint 1 does not send any reports at this time. <http://www.aimdisplay.com.pl/app/webroot/userfiles/d-show-venue-manual.xml>

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The Calibrate 3 Point command initiates an interactive calibration procedure which defines the active area of the sensor by mapping locations to an absolute X,Y coordinate system. Touch points generated subsequent to a successful calibration operation are calculated based upon these calibration points. If any failures in these systems are detected, a POC flag is set. The POC status field reports the state of these flags. The POC status information is also flashed on the controller's LED. Set Feature Set Controller Number This command is used to get a controller number for application use. The controller does not use this value. This process is useful for identifying individual controllers in a multiple controller system. The controller does not use this value. The RX181 controller is a compact, small outline USB controller. This controller should be internally mounted in your monitor. This guide describes how to set up your M170 Flat Panel Display FPD touch monitor. This document assumes you have basic computer skills. You should know how to use the mouse and keyboard, choose commands from menus, open and run application programs, and save files. Always maintain adequate ventilation to protect the display from overheating and to ensure reliable and continued operation. Visit the 3M Touch Systems website at, where you can download touch screen software and drivers, obtain regularly updated technical documentation on 3M Touch Systems products, and learn more about our company. You can contact 3M Touch Systems Technical Support US only Eastern Standard Time by calling the hot line, sending an email, or sending a fax. Capacitive is the touch screen of choice for public access applications requiring

high levels of durability and reliable performance 24 hours a day, 7 days a week. Gently pull down to release tabs. 652220 652219 3M Touch Systems Proprietary Information Base Cover Cable Connector Cover. <http://piqiso.ru/userfiles/d-san-speaker-timer-manual.xml>

Step 3 Then remove the four screws holding the hinge in place and gently remove the base. 3M Touch Systems Proprietary Information. Refer to the illustration below for wiring suggestions. Note that 3M Touch Systems does not supply the card readers. Follow the directions displayed on the screen. For more information on calibration, refer to the online help or the user documentation. 3M Touch Systems Proprietary Information. If you are not satisfied with the auto adjustment, finetune the clock manually as described above. Horizontal Vertical Clock Phase Color Sharpness Recall 3M Touch Systems Proprietary Information M170 FPD Monitor Installation Guide Auto Config Input Information. Adjusting all three levels will make colors appear more or less striking. Adjust the OSD image horizontally or vertically by pressing the Select button. H position moves the OSD position left or right. V position moves the OSD position up or down. 3M Touch Systems Proprietary Information. Hold both keys for 10 seconds. DO NOT RELEASE. 2. Then press the POWER key to turn the monitor off. 3. Release MENU and SELECT. 4. Press the POWER key to turn the monitor back on. 3M Touch Systems Proprietary Information M170 FPD Monitor Installation Guide. You can also use straight isopropyl alcohol. In addition, 3M Screen and Keyboard Cleaner CL680 has been tested and approved for this use. Refer to Chapter 3 for adjusting the screen procedures. 3M Touch Systems Proprietary Information M170 FPD Monitor Installation Guide. For these purposes we created a catalog system, where all documents, that we have, are sorted by device name. The 3M Monitor manuals are sorted by popularity among Guidessimo users by the number of downloads and views on our website. To complete the setup of your touch monitor, make sure you calibrate the touch screen. Calibration serves two purposes Follow the directions displayed on the screen.

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Touch screen is not accurate Calibrate the touch screen for the current video resolution and operating system. Cursor does not follow finger movement or does not reach the edges of the screen Calibrate the touch screen for the current video resolution and operating system. Refer to Table 2 for details. Extended use may result in muscle, tendon, or fixed posture strains. It is recommended you

take periodic breaks from continuous use. Service and Repair Indicators Do not attempt to service this unit yourself. Removing the display cover may expose you to dangerous voltage or other risks and will void the warranty. This chapter describes how to set up and integrate your 3M Touch Systems CRT Desktop monitor into a touch application. Capacitive is the touch screen technology of choice for public access applications requiring high levels of durability and reliable performance 24 hours a day, 7 days a week. For those applications that require flexibility of input, including gloved hand use, we offer a 5-wire resistive touch screen. This technology has been tested in a laboratory environment to withstand These touch monitors will not work with Macintosh computers. When choosing your workspace, select a sturdy, level surface. Also, make sure you can easily access the back of the touch monitor and the computer. Easy access helps ensure a smooth setup of the touch monitor. Installing the Video Card and Video Driver Before you can connect your touch monitor, make sure your computer has a video card and driver already installed for the monitor. The video driver is supplied by the video card manufacturer and may be found on the disks that came with your computer. If you need information on installing a video card or video driver, refer to your computer documentation for instructions. Simply follow the instructions outlined below. Connecting the Touch Monitor 1. Turn off your computer. 2. Connect the video cable to the video card in your computer. 3.

Connect the RS232 or USB serial touch screen cable to the appropriate port on the back of your computer. 4. Connect the power cable to the monitor. Connect the other end to the appropriate AC outlet. Shaking and vibration may dislodge cables that are improperly connected. Route all wiring and cables away from heat sources and sharp metal edges to avoid damage. Also, keep the touch screen cable away from sources of electromagnetic and radio frequency interference. Access to the Video Controls The controls for adjusting the video display are located on the front of the CRT desktop monitor. These buttons let you display the onscreen menu and adjust the phase, image position, contrast, and brightness. Make sure you have unobstructed access to the controls once the monitor is installed. The software and driver for each video card is unique. In most cases, you adjust these settings by using a program or utility provided by the manufacturer of the video card. Testing the CRT Touch Monitor Note The CRT desktop power status light is located on front of the bezel. After connection, turn on the power switch located at the bottom of the front bezel. Before you test your touch monitor, make sure all cables are connected properly. Be sure to tighten all cable screws. To test that the monitor is working properly 1. Turn on your computer. 2. Make sure the video image is displayed. If it is not, turn on your monitor. 3. Make sure the video image is centered within the screen area. Use the monitor controls to adjust the image, if necessary. You can adjust the horizontal and vertical position, contrast, and brightness to better suit your video card and your personal preference. Refer to Chapter 2 for more information on using the onscreen menu to adjust the video display. Installing TouchWare Software TouchWare software includes the touch screen driver and control panel that enables your touch screen to work with your computer.

To complete the setup of your touch monitor, make sure you calibrate the touch screen. Calibrating the Touch Screen After you connect your touch monitor and install TouchWare, you must calibrate the touch screen. Follow the directions displayed on the screen. There will be a few seconds delay before the display appears. The LED next to the power switch lights when the power is turned ON. Turn the power off by pressing the power switch again. PIN CUSHION Adjusts the side pincushion or barrelling. PARALLELOGRAM Adjusts the tilt of the display sides. PIN BALANCE Adjusts the curvature of the left and right sides of the screen image. CORNER PIN User can select Top or Bottom corner correction by pressing the Select button. Top corrects the top corner image shape to a rectangle. Bottom corrects the bottom corner to a rectangle. COLOR TEMPERATURE Adjusts color temperature to 9300K, 6500K factory default is 9300K. Or, for a custom color mode, select "USER" and push the select button to activate the RGB submenu. This adjusts the intensity of the RGB video output. Using the select button activate the RGain Red Gain, GGain Green Gain or

BGain Blue Gain and change color strength for a customized color mode. **ROTATION** Adjusts the tilt of image. **LANGUAGE** Selects a language among English, Deutsch, Francais, Espanol, and Italiano. **DEGAUSS** Manually demagnetizes the CRT. This can be used if the display becomes discolored. Allow a minimum of 20 minutes to elapse between each degauss. The monitor also will automatically degauss when power is applied. **OSD Position** User can select hor or ver by pressing the Select button. **H position** moves the OSD position left or right. **V position** moves the OSD position up or down. **OSD ON TIME** Adjusts on screen OSD running time. **Video Level** Selects the video level of the video graphic card. If the intensity of the image is high, select 1.0V, if low, select 0.7V.

HMOIRE Reduces the optical effect of horizontal wavy lines on the display. These effects are more noticeable on large grey areas or black and white checkerboard patterns. **VMOIRE** Reduces the optical effect of vertical wavy lines on the display. These effects are more noticeable on large grey areas or black and white checkerboard patterns. **INFORMATION** Displays current mode, horizontal frequency, vertical frequency, factory preset mode, and user preset mode. **EXIT** Exits the OSD menu. Before calling 3M Touch Systems, try the suggested actions that are appropriate to the problems you are experiencing with the monitor. You may also want to consult your video card user's manual for additional troubleshooting advice. Always maintain adequate ventilation to protect the display from overheating and to ensure reliable and continued operation. **Touch Screen Care and Cleaning** The touch screen requires very little maintenance. 3M Touch Systems recommends that you periodically clean the glass touch screen surface. Typically, isopropyl alcohol and water solution ratio of 50/50 is the best cleaning agent for your touch screen. You can also use straight isopropyl alcohol. In addition, 3M Touch Screen Cleaner 675 has been tested and approved for this use. Refer to Table 2 for details. Touch the screen, press any key on the keyboard, or move the mouse to restore operation. Are the brightness and contrast settings too low. Use the monitor controls to adjust these values. Is the touch screen trying to use the COM port or IRQ of another device for example, a mouse. If so, a hardware device conflict will result and the touch screen will not work. Touch screen is not accurate Calibrate the touch screen for the current video resolution and operating system. Cursor does not follow finger movement or does not reach the edges of the screen Calibrate the touch screen for the current video resolution and operating system.

Cursor lags finger Lower the baud rate of the touch screen controller and the touch screen driver. **Power Management** The CRT monitor conforms to the Video Electronics Standards Association VESA Display Power Management Signaling DPMS standard. To benefit from power management, the monitor must be used in conjunction with a computer and video card that implements the VESA DPMS standard. The PC automatically invokes the power management feature if you do not use the touch screen, mouse, or keyboard for a userdefined period of time. To restore the video image, simply touch the screen, press a key, or move the mouse. These limits are designed to provide reasonable protection against harmful interference in residential installations. 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 interference to radio or television This Class B digital apparatus meets all requirements of the Canadian InterferenceCausing Equipment Regulations. Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada. This device complies with Part 15 of the FCC rules Operation is subject to the following two conditions 1 This device may not cause harmful interference, and 2 this device must accept any interference received, including interference that may cause undesired operation. Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. 3M Touch Systems is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment.

Unauthorized changes or modifications could void the user's authority to operate the equipment. Please check your inbox, and if you can't find it, check your spam folder to make sure it didn't end up there. Please also check your spam folder. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of 3M Touch Systems. 3M may have patents or pending patent applications, trademarks, copyrights, or other intellectual property rights covering subject matter in this document. The furnishing of this document does not give you license to these patents, trademarks, copyrights, or other intellectual property except as expressly provided in any written license agreement from 3M Touch Systems. For the latest detailed engineering specifications, please contact your 3M Touch Systems Application Engineer. 3M Touch Systems is committed to continually improving product designs, as a result, product specifications may be subject to change without notification. User should contact its sales representative if User's opportunity involves a medical device application. These 3M Touch Systems' Products and software are warranted to meet their published specifications from the date of shipment and for the period stated in the specification. 3M Touch Systems makes no additional warranties, express or implied, including but not limited to any implied warranties of merchantability or fitness for a particular purpose. User is responsible for determining whether the 3M Touch Systems Products and software are fit for User's particular purpose. If the Product, software or software media is proven not to have met 3M Touch Systems' warranty, then 3M Touch Systems' sole obligation and User's and Purchaser's exclusive remedy, will be, at 3M Touch Systems' option, to repair or replace that Product quantity or software media or to refund its purchase price.

3M Touch Systems has no obligation under 3M Touch Systems' warranty for any Product, software or software media that has been modified or damaged through misuse, accident, neglect, or subsequent manufacturing operations or assemblies by anyone other than 3M Touch Systems. 3M Touch Do not use any vinegarbased solutions. Avoid using gritty cloths. Be sure to spray the cleaning liquid onto the cloth, not the screen, so that drips do not seep inside the display or stain the bezel. Do not pull on or stress cables. Check that the LED is Refer to Table 2 for The display contains glass parts. Dropping the display may cause the glass parts to break. Supports CGA, VGA, SVGA or XGA resolutions. Refresh rate of 60Hz 75 Hz. Ideal for use in most Amusement applications. Replace your old outdated CRT monitors with a Vision Pro LCD and give your games a new modern look. Made from highgrade components including AUO LCD panels, that offer better picture quality, balanced picture image and a longer life span with no burnin which is typical with traditional CRT monitors. All units have a unique frame design that allows you to adjust the depth of the LCD panel to accommodate use of a touch screen along with several standard and custom mounting configurations. Built in connectors on back of LCD for both 6 and 10 pin RGB CGA Signal or DB15 VGA signal. Preprogrammed to automatically sync with popular CGA games. LCD can be preprogrammed for other CGA games upon request Contact your sales rep for details. Is 31khz or 38 supported 1 Answer.