



Sanyo 42LM4RTC User Manual

Interactive touchscreen

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Interactive Touchscreen User Guide

For serial Interface

For use with models:

42LM4WPTC

42LM5WPTC

42LM4RTC

42LM5RTC

Version 1.3 September 2007

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Professional lcd monitor (2 pages)

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[Page 4: About This Manual](#)

ABOUT THIS MANUAL This manual is intended as a reference guide for the Interactive Touchscreen running under Windows XP™ or Windows Vista™. This User Manual provides the information needed to set up the touchscreen. In addition, this manual describes basic technical information about the touchscreen and troubleshooting. CONTACT INFORMATION If you have any questions or issues, please contact your original equipment supplier SHIPPING DAMAGE/UNPACKING...

[Page 5: Introduction](#)

INTRODUCTION This manual will explain the workings and setup of the touchscreen fitted to your display. An explanation of the monitor and its workings is covered in the Monitor Manual that came with this product. The following pages will tell you how to install the software needed by the touchscreen to function and go through the adjustments that user's can change to enable the screen to perform effectively in many different environments.

[Page 6: Installation](#)

INSTALLATION LOADING THE TOUCH DRIVER SOFTWARE ONTO PC 1. Switch on monitor Do not plug the touchscreen interface cable into your computer. 2. Insert the 'Information & Touch Software installation CD' automatic installation instructions. If the installation does not start automatically; 1.

[Page 7: Starting The Driver Control Program](#)

STARTING THE DRIVER CONTROL PROGRAM Connect the touchscreen cable to a free serial port of the. 1. If the Touchscreen control panel is not already running, start the driver by clicking the icon on the desktop or select the Windows™ necessary path or double click Ma7_Control_En.exe short cut placed on the desktop.

[Page 8: Explanation Of The Status Section](#)

EXPLANATION OF THE STATUS SECTION 1. The following explanation of the attached to a serial port of the PC: Open - will go red and remain red only when the driver is present, the correct port is chosen and the Baud rate is set correctly. Open If the box does not go red then the driver is not loaded or another driver has taken the...

[Page 9](#) The mouse pointer will not respond to a touch until it has been enabled in the Output section of the Control Program. Details of this will follow later in this manual. Reset button loads fresh data from the touchscreen. This is used as a reference for detecting any new touches.

[Page 10: Adjusting The Touch Sensitivity Level](#)

ADJUSTING THE TOUCH SENSITIVITY LEVEL Automatic Setup When you receive your unit, the sensitivity settings will have been optimised when the unit was manufactured. These settings should only be altered if you are experiencing problems such as an electrically noisy environment. Contact your supplier if you need further explanation. 1.

[Page 11](#) 7. The moving indicator under Finger Pressure Nominally the Coarse Sensitivity about a third of the way along in response to a light touch. 8. The Press Threshold slider is used to adjust the sensitivity of the touch to simulate a mouse button press.

[Page 12: Calibration](#)

CALIBRATION 1. Select the Calib tab as shown below (Fig 5), click the 2. You will see the following screen (Fig 6); there are three targets to touch in total, like the one shown below: 3. When each of these targets is displayed, touch and hold your finger on the centre of the circular target.

[Page 13: Setting The Touch Output To Suit The Application Program](#)

SETTING THE TOUCH OUTPUT TO SUIT THE APPLICATION PROGRAM 1. Select the Output tab. 2. Select the mouse control required for your application (Fig 7). To enable the touch function on the screen, tick the No action selects no mouse pointer movement or button pressing when touching the touchscreen.

[Page 14](#) You must now save the settings Fig 8 1. (Fig 8) Click on file. 2. Click on save to save the current settings. When the touchscreen driver has been set up and there is no requirement to change it.

[Page 15: Diagnostics And Frequently Asked Questions](#)

DIAGNOSTICS AND FREQUENTLY ASKED QUESTIONS Testing the Hardware with 'Graph' 1. Select the Graph tab. 2. Run a finger around the sensor, the effect of the finger on nearby wires can be seen by a visible movement on the indicators (Fig 9), each representing one wire. The algorithm in the driver interpolates the response curve to generate an accurate co-ordinate for the finger position.

[Page 16: Monitor Mode](#)

MONITOR MODE 1. This section is used to check the output of the touchscreen over the whole display area represented by the white box in the centre. It is useful in checking for any dead areas on the touchscreen and the performance of the touchscreen being able to follow the finger accurately and responsibly (Fig 10).

[Page 17: Using Edge Enhancement](#)

USING EDGE ENHANCEMENT 1. To allow easy access to the sliders and buttons at the edge of the display, the cursor can be positioned nearer the edge of the screen. The amount of enhancement can be adjusted via the screen shown. 2.

[Page 18: Fault Finding Guide](#)

FAULT FINDING GUIDE The following are some possible reasons why the touch screen might not work. If they do not solve your problem or you have a situation not covered please contact your supplier. DRIVER DOES NOT SEE THE TOUCHSCREEN Touchscreen on a different comm port than the one selected.

[Page 19: Check Or Change The Virtual Memory Settings](#)

There are several ways to improve system performance. Optimise the Background performance against the Applications, to do this follow the simple instructions below: Select the Windows™ START Button; go into Settings and Control Panel. Open the System folder and select the Press the Performance Options button.

This manual is also suitable for:

42lm4wptc42lm5rtc42lm5wptc