

:: 4.3" Display ::

# NOVA



LOGIC

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# 1 Introduction

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Congratulations on your purchase of the Zoom™ 4.3" Display Kit. The 4.3" LCD connects directly to Logic's Zoom SDK and LV baseboards allowing you to immediately begin development work.

## 1.1 Zoom 4.3" Display Kit Features

- + 4.3" WQVGA TFT LCD with touch screen
- + 60-pin LCD connector to interface with baseboard

## 1.2 Register your Display Kit

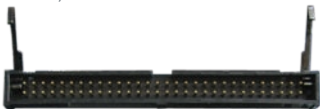
Registration provides you access to the latest revision of this manual, as well as other documentation and resources. In addition to downloads access, registration provides future notifications when Logic releases documentation and updates for your product.

To register, visit the Logic Support website at <http://www.logicpd.com/product-support> and click on "Register Your Kit". Follow the on-screen instructions to register your product.

## 2 Connect LCD to Baseboard

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1. Locate the 60-pin LCD connector on your baseboard (reference designator J11).



2. Align the keyed connector on the LCD board with the baseboard 60-pin LCD connector.
3. Press straight down on the LCD board until the baseboard connector levers move into a vertical position. **Note:** Use caution when pressing down on the LCD board as the solder points may be sharp.



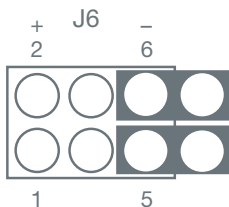
4. Before using the LCD touch screen, remove the protective plastic film covering the display.
5. To remove the LCD board from the baseboard, pull back on the ejector levers until the connector on the display board moves up and disengages from the baseboard 60-pin LCD connector.

## 2.1 Baseboard Jumper Settings

If you are attaching the display to an LV baseboard (as pictured in step 3), verify that jumper JP1 is placed across pins 2 and 3.



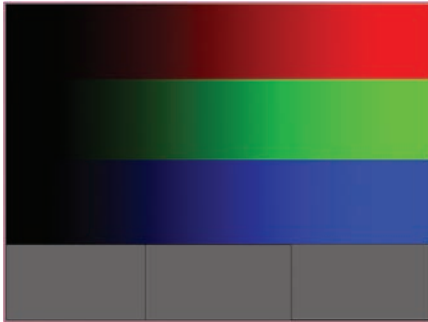
If you are attaching the display to an SDK baseboard, verify that jumpers J6 are placed on pins 5 and 6.



### 3 Interact with Display

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1. Connect the development kit to a host PC as described in the appropriate *Zoom Development Kit QuickStart Guide*.
2. Open the Tera Term application or equivalent software terminal emulation tool. Use the proper Serial Port Settings as explained in the appropriate *Zoom Development Kit QuickStart Guide*.
3. Apply power to the development kit.
4. To initialize the screen, type the following command at the `losh>` prompt and press the Enter key: `video-open 15 16`
5. To display a test image on the screen like that shown below, after the `video-open` command has been entered, type the following command at the `losh>` prompt and then press the Enter key: `draw-test`



## 4 Product Notices

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### **Evaluation Purposes Only**

This Zoom Display Kit being sold by Logic is intended for ENGINEERING DEVELOPMENT OR EVALUATION PURPOSES ONLY and is not considered by Logic to be fit for commercial use. As such, the goods being provided may not be complete in terms of required design, marketing, and/or manufacturing related protective considerations, including product safety measures typically found in the end product incorporating the goods. The user assumes all responsibility and liability for proper and safe handling of the Display Kits.

### **ESD**

Due to the open construction of the product, it is the user's responsibility to take any and all appropriate precautions with regard to electrostatic discharge. Logic's warranty does not cover products damaged by ESD.

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## 5 Support

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### 5.1 Documentation and Software Downloads

Logic provides additional documentation and resources for the 4.3" Display Kit. These resources are available as downloads from the "My Account" section of the Logic website. Click on the "Login" link at the top of any [www.logicpd.com](http://www.logicpd.com) web page and enter your username and password to access the available downloads for the 4.3" Display Kit.

### 5.2 Frequently Asked Questions

Visit [www.logicpd.com/product-support/frequently-asked-questions-faq](http://www.logicpd.com/product-support/frequently-asked-questions-faq) for FAQs regarding the 4.3" Display Kit.

### 5.3 Technical Discussion Group

Visit <http://www.logicpd.com/product-support> to join our Technical Discussion Group (TDG) and share valuable information with other designers. Please note that the TDG site requires its own account creation that is separate from the account for the main Logic website.

### 5.4 Warranty Statement

Refer to the card enclosed with the 4.3" Display Kit for warranty information.

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## 6 Revision History

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REV	EDITOR	REVISION DESCRIPTION	APPROVAL	DATE
A PN 1012053	JCA	Initial release	EGR	04/23/09



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