

Quick Start Guide

Covers the following product:

uEZGUI-RX62N-35QT



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1. Introduction

The uEZ GUI is optimized to save development time in typical embedded control applications. The uEZ GUI is packaged several different ways. Regardless of the hardware configuration, the software all works the same. An optional board, uEZGUI-EXP1, is available separately and includes expansion connectors for added flexibility and a range of hardware options.

2. Kit Contents

- uEZGUI-RXR62N-35QT Touch Screen Kit with LCD (Requires special JTAG adapter, included)
- Segger J-Link Lite RX Debugger and Adapter Board (Rev 2 uEZGUI-RX62N-35QT only)
- 2GB Micro SD card
- USB Cable
- Stylus for Touch Screen
- Quick Start Guide

3. Startup Procedure

The uEZ GUI kit comes with a pre-installed 2 GB micro SD card that contains files required for the slide show to run. It also contains users' manuals, schematics, and documentation for the product.



Power is supplied via the USB cable provided in the kit. Connect the USB cable to the mini B USB connector.

The following screens should appear once power has been applied to the kit:



At this point the unit is ready for software demonstrations and user operation.

4. Demonstration Software Main Menu

The Demonstration Software has the following options:

Slideshow

Selecting the slideshow icon will cause the Micro SD card to be read. This demonstration allows the user to select between several example slideshow options such as “Introduction to uEZ GUI”, “Demonstration Pictures”, “FDI Overview”, “Strategic Partners”, etc. Select the play button to begin the automated slide show or manually “drag” a stylus or finger at least half way across the screen. After approximately 30 seconds of inactivity the slideshow will begin to auto scroll. The user can regain manual control at any time by “dragging” forward or backwards to the next slide. Click on the “X” to return to the main menu.

Setting up a slideshow:

The Slideshow demonstration loads and scrolls between images provided on a micro SD card. Images must be in 24 bit uncompressed Targa (.TGA) format. Adobe Photoshop and many other graphics programs can save images in this format. The images must be 320x240 in size and use the file names QSLIDExx.TGA where xx is 00 thru 99. (i.e. QSLIDE01.tga, QSLIDE02.tga, etc)

Settings ICON

Calibrate use this feature to calibrate the LCD for the first time or if the calibration settings need to be updated.

Functional Test a step by step test of the following parameters:

- Speaker test
- LCD color test
- SDRAM size test
- Temperature

Draw

A very simple art program is provided. Use the touch screen to draw lines in the box to the right. Clicking on **Color** allows the color to be changed between various options. Hint – use black to erase. **Save** stores the graphic image as the file IMAGE.RAW on the Micro SD card. **Load** recalls the saved graphic image from the Micro SD card.

Additional Documentation and Software Updates

Complete Users Manuals, Schematics, and documentation are available on the Micro SD card provided with the uEZGUI Kit and are also available from the following websites (please refer to the websites for the latest updates):

- Future Designs Support Page - <http://www.teamfdi.com/support/touch-screen.php>
- uEZ Source Code - <https://sourceforge.net/projects/uez/>
- Segger J-Link Lite RX Debugger - <http://www.segger.com/cms/jlink-software.html>