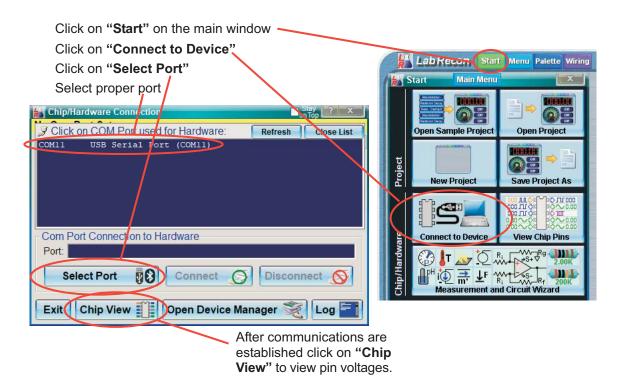
## **Getting started with LabRecon**

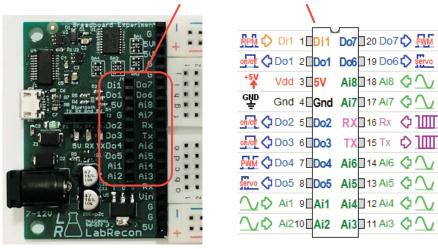
This document begins with the connection of LabRecon hardware. If one wishes to start building a Panel without hardware, this section can be skipped.

### **Connecting to LabRecon hardware**

After the FTDI VCP drivers are installed and LabRecon hardware is connected follow these instructions.



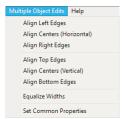
Note that LabRecon chip pins have corresponding connections on LabRecon hardware.



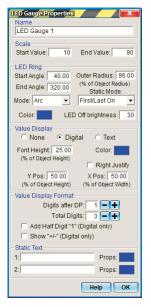
# **Building a Panel**



Click on "Menu" at the Panel top and select "Multiple Object Edits" for the following editting options.

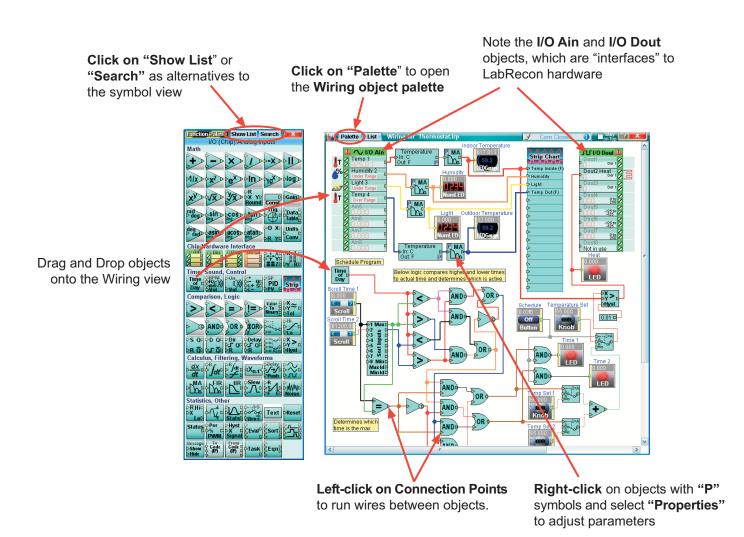


**Right-click** on any object and select "**Properties**" to adjust properties such as colors, range, etc.

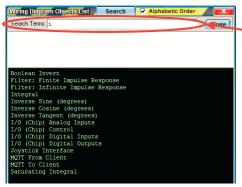


# Wiring objects

Click on "Wiring" at the top of the Panel.



Clicking on the Palette's top "Search" button results in the below palette view



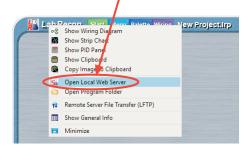
As search terms are typed matching results are shown.

The **text name can be dragged** onto the Wiring view.



# **Running the LabRecon server**

Right-click on the Panel's top title bar and select "Open Local Web Server"

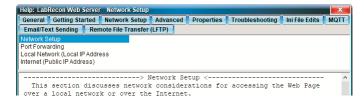


If a firewall message pops up, the server must be allowed Internet access.



LabRecon Web Server

Click on "**Help**" to access various help topics.



Open a browser and type **127.0.0.1** into the address bar to display the generated web page



As the Panel is editted the browser view should follow. If it does not, refresh the page after edits.

To access the web page over the Internet, one must configure their router for "Port Forwarding". This is commonly done for gaming and there is much general information on the Internet including that for particular router models. "Network Setup" in the LabRecon Server help provides further information.

One can also configure their router for "DHCP Reservation" to insure the computer running LabRecon always has the same local IP address.



Click on "**Setup**" to access Web Server properties

A listening port number other than 80 can be set.

Setting a password will allow control objects, such as buttons, scrolls, knobs, etc. to be set only after the password is entered. Note that the web page will still be viewable without entering a password.

Click "**Apply**" for settings to take affect.



Click "View LRSrvCfg.ini" to access advanced properties.

### Additional Documents at www.LabRecon.com/Documents

LabRecon - Getting Started with LabRecon.pdf

LabRecon - Getting Started with the Measurement Wizard.pdf

LabRecon - Getting Started with Simulations.pdf

LabRecon - Getting Started with Robotics.pdf

LabRecon - Chip Datasheet (rev 2.0).pdf

LabRecon - MiniDAQ Datasheet (rev1.0).pdf

LabRecon - Chip Quick Start Sheet.pdf

LabRecon - Breadboard Experimenter (rev0).pdf

LabRecon - Photovoltaics.pdf

LabRecon - Reflow Oven PID Control.pdf

LabRecon - Measurement Configuration.pdf

#### Instructional Videos

www.LabRecon.com/videos

### **Revisions to this Document**

Rev 0 Initial release

### Support

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