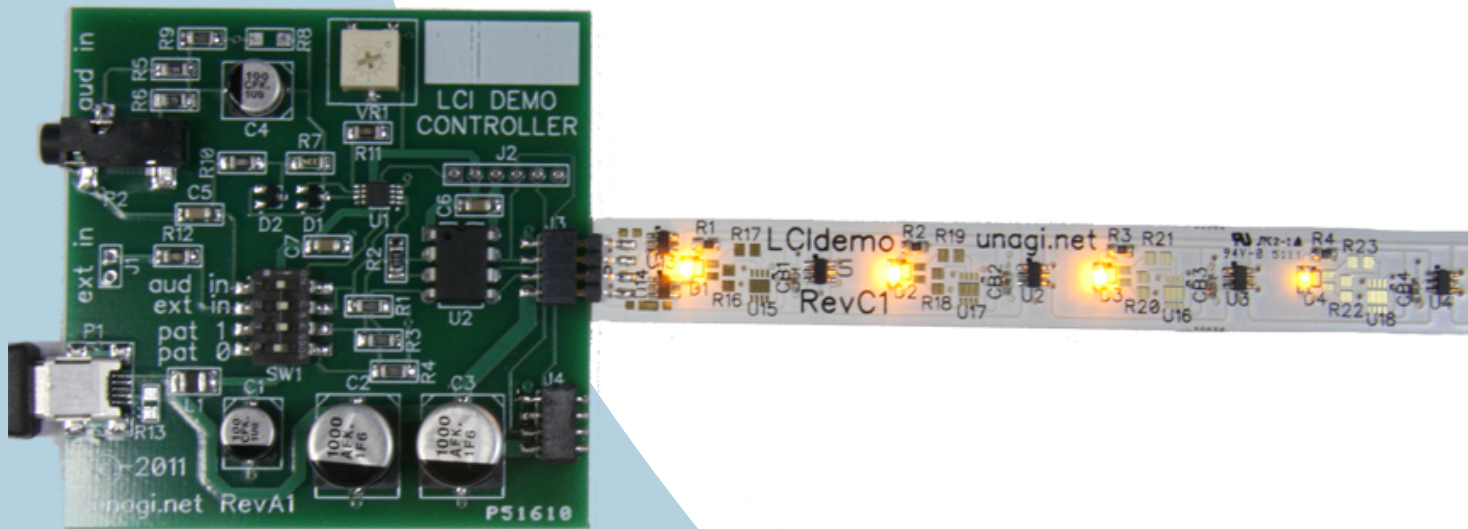


The LCI Bus™ (Light Command Interface Bus)

Demonstration Kit – LCI2DK150



General Description

The LCI-2 Demo Kit allows you to see the LCI bus in action. The kit contains an LCI-2 Bus Master Controller and five (5) 12" long LCI-2 compatible LED light strips. The light strips are end-stackable, which gives you a 5 foot long strip of 60 LEDs, under full LCI bus control.

The LCI-2 Master Controller lets you control the individual LEDs by moving a pre-set LED pattern from the first LED to the last. The amount of offset can be controlled by adjusting the on-board potentiometer. The offset can also be adjusted by inputting a DC offset voltage, or by an AC audio input. There are several selectable LED patterns to choose from, that demonstrate the four different brightness levels in the LCI-2 protocol.

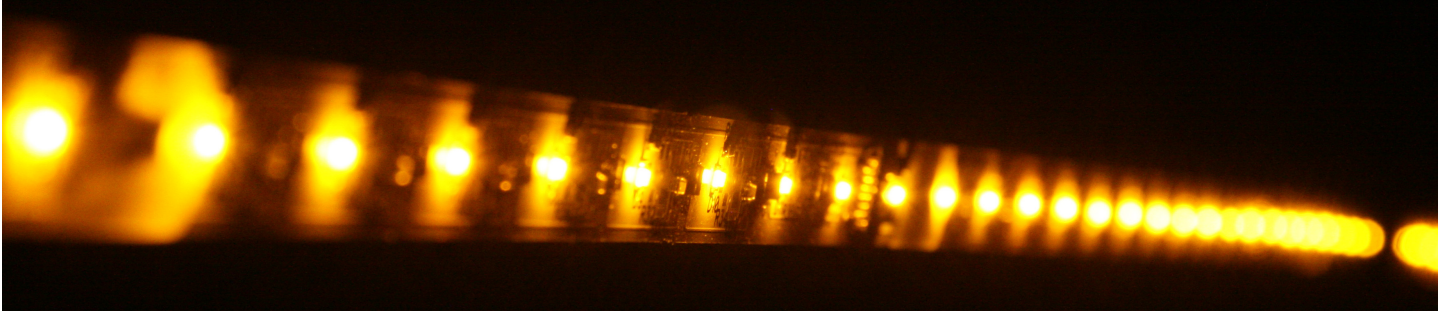
The LCI-2 LED light strips each contain 12 LEDs, spaced at 1 inch intervals. They are end-stackable, to create a 5 foot long, individually controlled, 60 LED light strip.

Additional information on the LCI Bus is available on the Unagi Net website: www.unagi.net

Features

- Fully demonstrates the LCI-2 Bus Protocol features
- 60 individually controlled LEDs on a five (5) foot long light strip
- Each LED controlled by a miniature LCI Bus Node Chip
- Includes a LCI-2 Master Controller for LED offset commands
- User selectable LED patterns
- LED offsets controlled by on-board potentiometer or through external control inputs
- Kit includes all pieces required for a working demo
 - 1 – LCI Master Controller
 - 5 – LCI-2 LED light sticks
 - 1 – Plug-in power supply





The LCI Bus is a very simple lighting network, that allows individual lighting control, and simple two wire daisy-chained control connections. The LCI Bus only requires two control signals, that connect from one light to the next. There is no maximum to the number of lights that can exist on an LCI Bus, therefore you can have a string of thousands of lights, each individually controlled, with a total of only two control wires for the entire string.

The LCI Bus demo kit allows you to evaluate and test the operation of the LCI Bus. The kit contains 60 LEDs, spread out onto five LED light strip boards (12 on each board). The light strips are end-stackable, so you can piece together a 5 foot long, 60 LED strip for testing. Each LED has an LCI Node chip, which allows full control of each individual LED.

The LCI-2 Master Controller connects to the LCI Bus, which is attached on one end of the LED strip. This allows full control of every LED on the light strip with only two control signals. The LCI-2 Master Controller sets the 60 LEDs on the light strips to a specific test pattern. The controller can move this pattern up or down the entire light strip under manual control, via the on-board potentiometer. There are also two signal inputs for external control of the pattern offset. A DC signal input allows you to change the pattern offset with a control voltage from 0-3 volts. The AC signal input moves the LED pattern with the amplitude of the AC signals (audio levels).

The LCI Bus Demonstration Kit is available directly through the Unagi Net website, and is also available through our authorized distributors. See the main Unagi Net website for additional purchasing information.

For additional information on the LCI Bus, download the LCI Bus Technical Description document, available on the Unagi Net website:

www.unagi.net

