Lynx Smart String Controller (SSC)

Special User Guide for using Test Firmware

What is the Test Firmware?

The test firmware is a way to light up the nodes without the need for a computer to control them. This could be used to power up the lights for testing/burn in of a new set of lights to make sure they all work before you add them to your show.

Note: You can't set the SSC address or options or use computer control the SSC with the test firmware loaded.
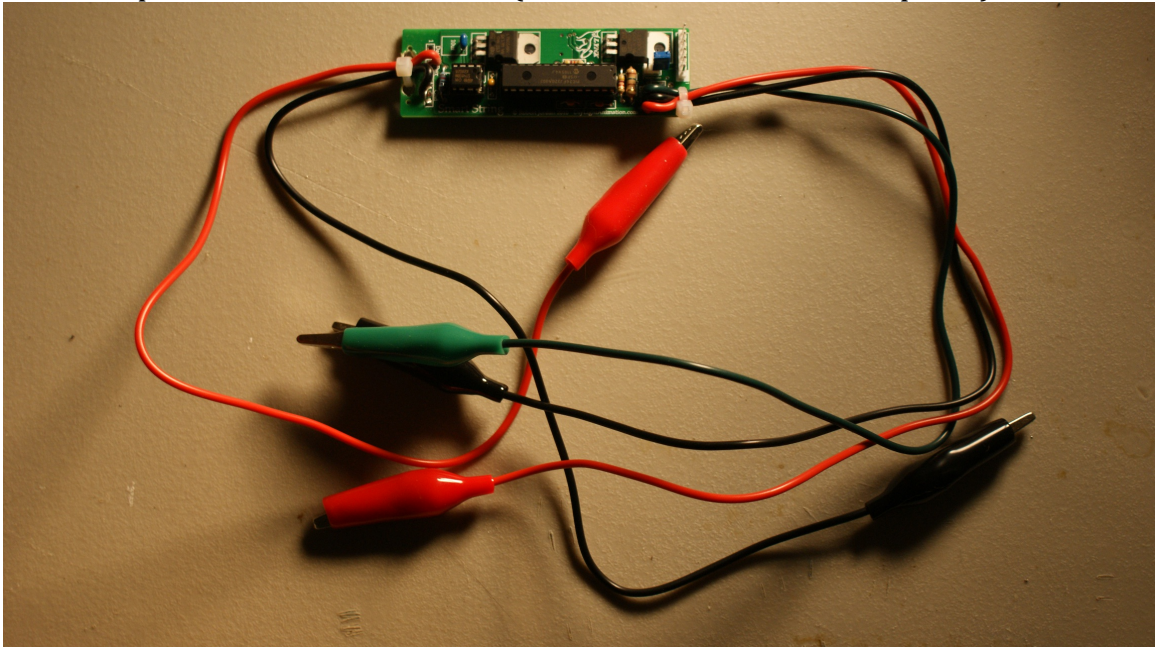
How do I setup the SSC for use with test firmware?

- Download the firmware from the wiki
- Plug your Pickit(2 or3) on the ICSP port
- Run the Pickit software and import the firmware you just downloaded
- Write to the microcontroller
- Exit pickit software and remove the pickit from the ICSP port

- Connect SSC to your lights (String Nodes, Flex Strip, Rigid Strip, etc)
- Apply 12 volts to the SSC
- Set program jumper either on or off
- On = All nodes will be white
- Off = All nodes will rotate color pattern (Red, Green, Blue, White)

When done just remove the power and then lights

If you plan to use the SSC with the computer then reconnect the pickit to the SSC and re-flash it with the normal firmware.

One example how to build a Test SSC (thanks to wbuehler for the photo)

Left side:
Red wire is connected to the +
Black wire is connected to the –

Right side:
Red wire is connected to the +
Black wire is connected to the –
Green wire is connected to the data