Instructions for setting up LogboxSD  (full manual: http://goo.gl/vR3xB)

Overview

1) Connect sensor(s) to LogboxSD (see below)
2) Flip Sleep switch to ‘ON’
3) Plug in battery pack to circuit board -- allow 1 minute initialization
4) Plug green connector of RS232 cable into the logboxSD
5) Plug RS232 cable (using Serial-to-USB adaptor) into PC
6) Start kz_connect program and enter correct ‘com’ port number when prompted

Display will read:

Port Name ( com1, com2 ...)  
> com1 (for instance, if no signal is found, try com2, etc.)
Hostname: NB-BL30
PC time: 25:06:2012, 19:44:01
Aeronet connected, UTC time: 25:06:2012, 19:44:01

If ‘Aeronet connected’ doesn’t appear, check network connectivity

At this point, the program is waiting on standard output from the logger

Each time the data logger takes a measurement, the LED will light up
For pyranometer:

Red wire (+) should be connected to AIN1
Blue wire (-) should be connected to AIN2
Black (shield) should be connected to GND
(Leave additional wires (yellow, green), if present, unattached.

Checking Output:

Each minute, values should be shown in the terminal window, for example:

2012-06-25 19:44:03 3.92 ////////////// W: 5728
Received one record time: 2012-06-25 19:44:03
Aeronet connected, UTC time 2012-06-25 19:44:07

Values will be written to a directory of the name LBox_com?, where ? is the com port number. This directory will be created in the same directory where kz_connect is run.