# SolarSystem 550 communication command protocol



Controls for on/off plus
Full dimming of 3 channels:
-Red (610-680nm)
- White (3200K)
- Blue (420-480 nm)

Control Signal
Low cost RJ11
cables
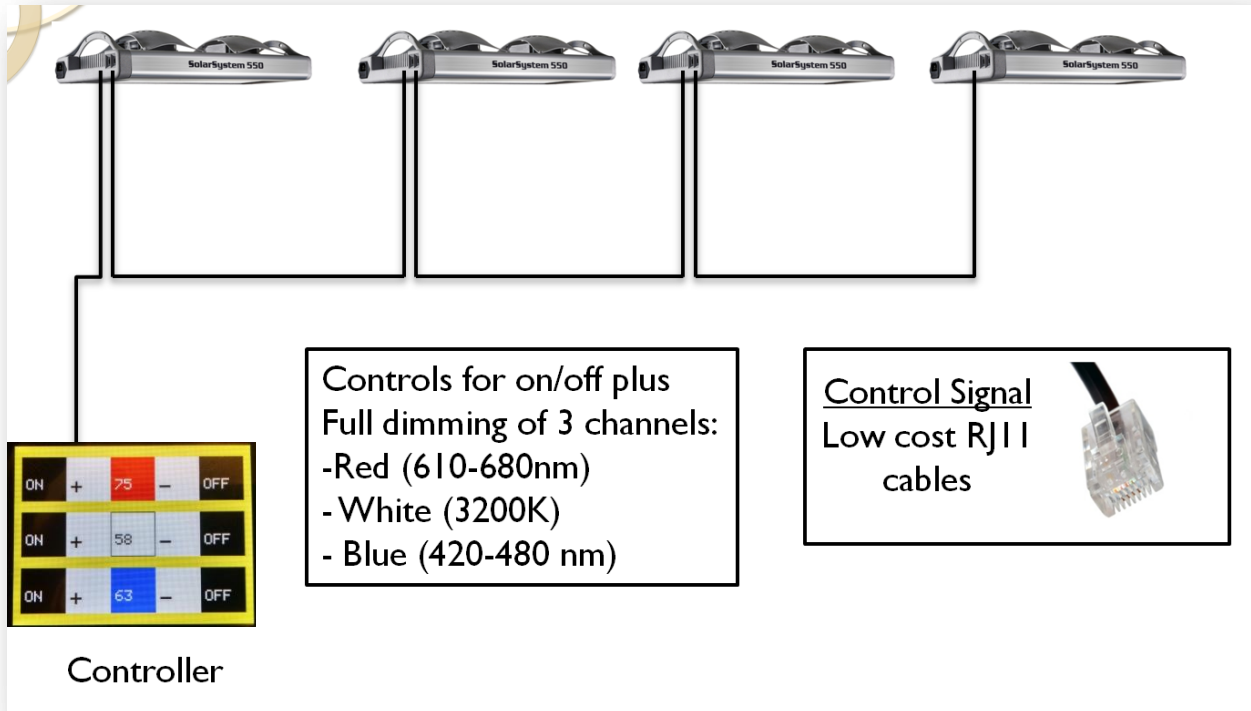
Controller

## Communication protocol:

RS232 Serial command via RJ11 jack.

9600 Baud, 8-N-1 (MAY CHANGE TO 1200 BAUD FOR HIGHER NOISE TOLERANCE)

One way communication: Controller transmits, SS550 receives and echos command to the next fixture.

Serial Command format (String Format)

AA:BB:NextLevel:01:02:03:04

"AA:BB:" preamble.  Ignored by the SS550

"NextLevel:" tells the SS550 this is a command to go to the next set of light levels.

"01": 00-99 value of RED channel
"02": 00-99 value of WHT channel
"03": 00-99 value of BLU channel
"04": 00-99 value of UVB register <Reserved for now, not used by the SS550>