

SPOT* User Manual

Setup Instructions

You have been given three devices: a fan/heater, a larger controller box, and a smaller sensor box.

Fan/Heater

- Place the fan/heater on your desk about 1.5 meters (4-5 feet) away from you.
- We recommend that you set the fan/heater to **oscillating mode** (I setting on the black I/O switch)
- As suggested by Plant Ops, we recommend that you keep the heater on mode I and not II.
- The thermostat needs to be on maximum all the time.

Sensor

- Place the sensor box on your desk, or mount it on a wall, closer than 2 meters (about 6 feet) away.
- The sensor box has a 90° viewing angle and should directly point at where you usually sit.
- The sensor box must be placed somewhere between you and the fan/heater (it needs to perceive temperature changes caused by the heater).
- Connect the sensor box to the controller box with the 4-pin connector.

Controller

- The location of the controller is not important. It is convenient to simply put the fan/heater on top.
- Connect one end of the power cord to the box.
- Connect the other end of the power cord to an outlet which is not overloaded.
- To avoid the need for resetting the circuit breaker in case of connecting too many devices, we recommend that a power bar with a resettable fuse be used to connect this device.

It takes 1-2 minutes for the device to boot up, and it should start operating normally as soon as the yellow light starts blinking. After the device starts working, you can login at <https://blizzard.cs.uwaterloo.ca/spotstar/> with your UW email and selected password to customize the device or view its operation. You need not turn the device off when you leave for home: it will turn off automatically.

Troubleshooting

Light Color	State	Meaning	Action Required
Yellow	blinking	normal operation	none
	solid ON/OFF	interrupted operation	please re-plug the device
Red	ON	heater is on	contact administrator if: 1. red is on, and green is off 2. light state does not match real operation
	OFF	heater is off	
Green	ON	fan is spinning	
	OFF	fan is not spinning	

Contact

If you have any questions, please contact the project administrator at cogradab@uwaterloo.ca.