

## SOLARSTREAM wireless data transceiver



*Don't climb a mountain to get your data.*

**SOLARSTREAM**<sup>®</sup> wireless, solar-powered transmitters and controllers are compatible with Onset Computer Corporation's HOB<sup>®</sup>O Micro Stations and Weather Stations. They automatically transmit environmental data to a secure Internet server and alert customers (via email or text message) of user-defined alarm conditions, such as freezing temperatures or low soil moisture.

Customers access remote data securely from any Internet-enabled computer. From password-protected accounts, users can view or download their data over a secure 128-bit encrypted connection. Customers can also change parameters at the remote site such as logging interval and server update rate with an easy-to-use web interface.

For pricing and other information, visit <http://UpwardInnovations.com/products>

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## Specifications

<b><i>SolarStream wireless data transceiver</i></b>	
Temperature Range	-40 to 80 C (-40 to 176 F)
Power	1 Watt solar panel and rechargeable battery pack designed to last up to 15 years.
Solar charging	Temperature compensated charging voltage optimizes battery life and performance. Typically requires an average of one to two hours of direct sunlight per day. Will typically operate for one month in clouded conditions.
Weight	1.4 kg (3 lbs)
Dimensions	12.7 X 7.6 X 17.8 cm (5 X 3 X 7 inches)
Environmental Rating	NEMA 6 weatherproof. Indoor and outdoor versions available.
Communication	Two serial ports for configuration and interfacing with external serial device
Operational modes	Standby and low power
LED's	Four LED's indicate Power, In Range, Transceiver On, and Low Battery.
Server update	User configurable from every 5 minutes to once a month
Remote alarms	User configurable low battery alarm and high/low sensor value alarms. Maximum latency: logging interval plus two minutes during typical network conditions.
Remote control	SolarStream and the attached weather station can be controlled over the Web. Functions include checking battery state and changing the server update rate or data logging interval.
Data formats	Tab-delimited text, HOBOWare, and BoxCar Pro
Mounting	Sun-facing wall or pole, angled upward. Tilt angle based on latitude. Separate bracket (sold separately) recommended for mounting on poles from 1.5 to 2 inches in diameter.
Frequency	920 MHz
Wireless Networks	USA Mobility, SkyTel, and Space Data
Coverage	Works in areas including over 90 percent of the US population, and significant areas of Canada, Mexico, Puerto Rico, and the Virgin Islands. Detailed coverage maps exist at <a href="http://www.usamobility.com">www.usamobility.com</a> .
Federal specifications	FCC certified for use in the U.S. and authorized for use in Canada