SEAWARD

Application Note 0082
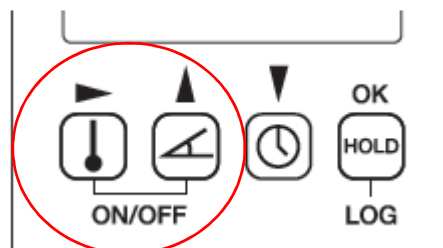
How to Pair the PV150 with the Survey 200R

The following document is intended to be a troubleshooting guide to ensure you are setting up your Seaward instrument(s) in the correct manner. Please check all aspects of this before contacting the technical support helpline.

- Please register your Seaward product at http://www.seaward.co.uk/userfiles/register-product/select-product.php to activate your warranty, receive support and other benefits.
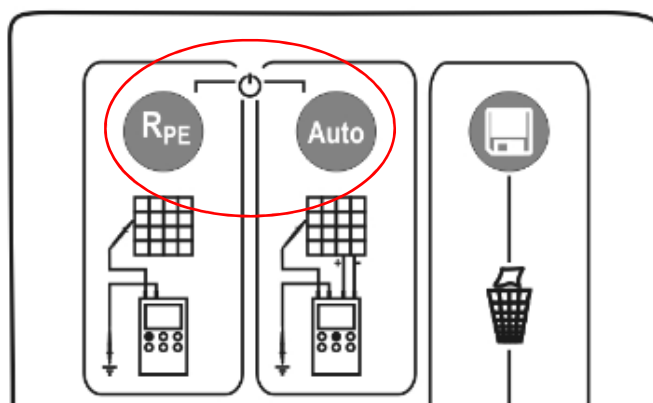
Pairing the Instruments

1) **Before attempting to pair please make sure the batteries in both instruments are good.**

2) Make sure there are no other units operating nearby.

3) Make sure the PV150 and Survey 200R instruments are turned off.

4) On the Survey 200R, press and hold the "On/Off" keys, keep both keys pressed.

> *Note:* The Survey 200R will now send the pairing signal (beeping approximately every second).

5) As soon as the buttons are pressed, and held on the 200R, press and hold the "Rpe" and "Auto" keys on the PV150 - keep all buttons pressed.
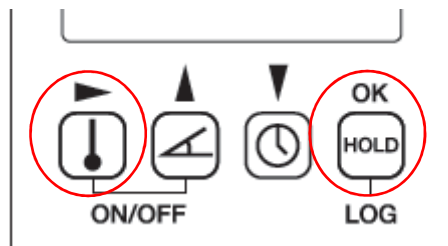
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6) When the PV150 detects the pairing signal, from the Survey 200R, it will scroll this serial number (for example 28H-) across the top of the PV150 screen.

7) When the PV150 has successfully paired, it will beep, this should normally happen within a couple of seconds.

8) All buttons can now be released.

9) The top line of the PV150 will now display the W/m2 icon – this confirms the instruments are paired.

Note: **The units may be paired but the Survey 200R needs to be placed in the transmit mode.**

Enabling the SolarLink Connection

1) After the PV150 and Survey 200R have been paired, the Solarlink needs to be activated on the 200R.

2) To enable the Solarlink, on the 200R, press and hold the temperature [⊥] button, then momentarily press [HOLD].

3) When the Solarlink is active there will be a flashing triangle icon ▽ above the temperature [⊥] button (bottom left of screen).

4) If the Survey 200R is in range, PV150 will indicate the measured irradiance in the top line.

Note 1: If the Survey 200R is not in range the PV150 will display "----".

Note 2: The Survey 200R has a minimum threshold of 100 W/m2, normally this **will not work indoors** and will also display "----" or "< 100", if below this minimum irradiance threshold.

Note 3: When in transmit mode the auto shut down feature is disabled. You must remember to turn the Survey 200R off in order to save battery power.

Note 4: The Survey 200R Solarlink function can be disabled by repeating item 2.