

# M550 Solar Marine Light Quick Start Guide

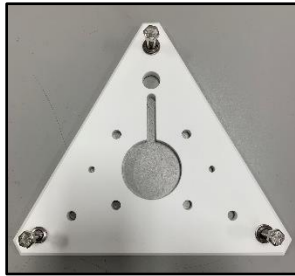
The NexSens M550 1-3 Nautical Mile Solar Marine Light is designed for mounting to smaller CB-Series data buoys per U.S. Coast Guard requirements.



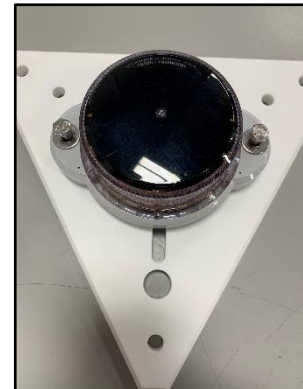
## Installing the M550

**Note:** Most M550's will be pre-installed on NexSens CB-Series buoys.

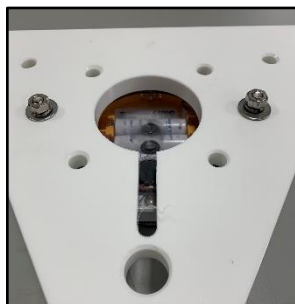
- 1 Remove the plate from the top of the solar tower using a 9/16" socket.



- 2 Place a 1/4" flat washer onto each 1/4-20 X 2" Hex Cap Bolt and insert them into the corresponding holes on the sides of the beacon.



- 3 Place a 1/4" flat washer, a 1/4" split lock washer and a 1/4-20 nylon nut on the threads of the hex cap bolts. Use a 7/16" socket on each side of the bolt to tighten the nut.




- 4 Use a 9/16" socket to re-tighten the plate to the solar tower








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## IR Remote Programmer






### Power on/off the beacon

- 1 Press and hold  for 2 seconds to turn on the IR Remote Programmer (beacon remote).
- 2 Turn on the beacon by holding the power button down for 4 seconds.
  - a. **Note:** The remote may have to be held at different orientations to establish a connection with the beacon.
- 3 On power-up the beacon will illuminate dimly and grow brighter over a 2-3 second span.
- 4 Turn off the beacon by holding the power button down for 4 seconds.
  - a. The beacon will illuminate brightly and gradually grow dimmer over a 2-3 second span.

### Checking the battery charge

- 1 Point the IR Programmer towards the M550 solar marine light.
- 2 Click the sequence      on the IR programmer.
  - a. **Note:** The beacon will flash as each button press registers.
- 3 Once the sequence is entered, the beacon will quickly flash 3 times to acknowledge it has taken the command. Observe the following flash pattern.
  - a. 1 flash indicates that the batteries need replaced.
  - b. 2 flashes mean that the batteries need charged.
  - c. 3 flashes signify that the batteries are holding a good charge.

### Setting the flash code

- 1 The default flash pattern set by NexSens consists of a one-second duration flash, every 4 seconds. This is set by the sequence     
- 2 Follow the flash codes in the Carmanah user manual to change this flash pattern as desired.

For additional information on the M550 Solar Marine Light, please reference the Carmanah user manual.

[https://www.fondriest.com/pdf/nexsens\\_m550\\_manual.pdf](https://www.fondriest.com/pdf/nexsens_m550_manual.pdf)