# OPERATION MANUAL

## Portable Solar Light Tower

## SPLT-.53K-LM45 Series

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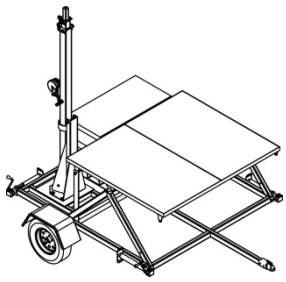
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## SPLT-.53K-LM45 SERIES OPERATION MANUAL

### DEPLOYING THE UNIT



**1.** Choose a location that is close to level as possible to position the trailer. Drop the trailer from the tow vehicle using the single jack located on the front of the trailer. Ensure that the safety chains and cable have been disconnected from the tow vehicle.



**2.** Once the trailer has been disconnected from the hitch of the tow vehicle, extend the remaining jacks. There are (2) leveling jacks located on the back and (2) jacks located on the front of the trailer. Pull the pin on the side of the jack to rotate it 90° toward the ground and hand crank the jack clockwise to extend it. Use a bubble level to ensure the trailer is level.



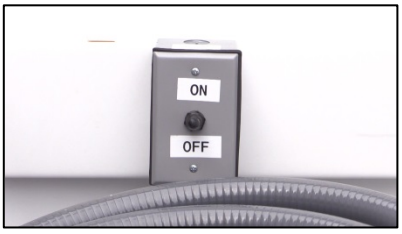
**3.** Unlatch the solar panel and reposition it 45°. There is a hand screw located on each side of the solar panel. With help, remove each hand screw to free the panels and pivot the solar panels down against the frame at a 45° angle. Insert each hand screw to secure the panels.



**4.** Locate the hand winch on the mast. Turn the handle clockwise to raise the mast until it stops. Watch for snags during this process if there are any cords attached. The mast is now deployed. To rotate the mast, view **ROTATING THE MAST** on **page 3** of this manual.



**5.** Open the job box located next to the mast. Locate the keys to both padlocks if it is locked. The job box will open once unlocked and there is no need to remove the padlocks.




**6.** Move the power switch to its **ON** position to power the internals. Make sure all breakers and switches are moved to the **ON** position at this time. This will enable power to your attached devices and allow the solar panels to begin charging the batteries. A built in cooling system will circulate air when the job box exceeds 90° F (32° C) to help keep the internals cool.

**The trailer is now deployed.**

## ROTATING THE MAST

The mast can be rotated while fully lowered or elevated.



1. Loosen the two bolts located toward the center of the mast on the collar.



2. Once loose, rotate the mast to your desired position

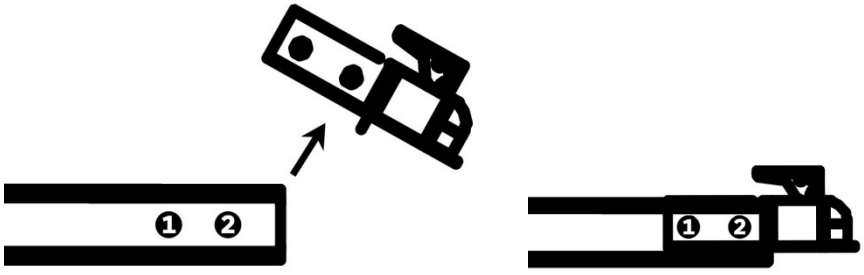


3. Tighten the two bolts in order to hold the mast in place

Note: Pay attention to any attached cords while rotating the unit to prevent tangles or strain around the light mast.

## REMOVING THE HITCH

The trailer hitch can be removed preventing the trailer from unauthorized towing. Remove the two bolts ❶ & ❷ from the graphic below holding it in place and lift the hitch off. This can be stored inside the job box when not in use. To install the hitch, place it back on the trailer tongue and replace the two bolts. Be sure both safety chains are attached.



## PREPARING FOR TRANSPORT

1. Lower the mast by rotating the hand winch counter-clockwise until the light mast is no longer supported by the winch cable.



2. If previously rotated, return the mast to its original position.



3. Power off all equipment. Open the job box and position the main power switch **OFF**.



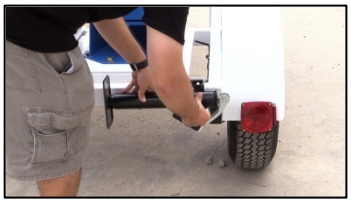

4. Lock the job box and take the keys to prevent unauthorized access.



5. Position the solar panels horizontal and secure them with the two hand screws.



6. Lift the (4) jacks on each corner of the trailer by rotating the hand crank counter-clockwise. Pull the pin and rotate each jack 90°.



7. When the mast is fully lowered, powered off, and the (4) main jacks are raised, you are ready to attach a tow vehicle. Once tied to a tow vehicle, raise the tow jack and ensure all other outriggers are raised. Ensure the trailer hookup and safety chains are connected. Test trailer lights to ensure stop/tail/brake lights work before operating on public roadways.

**If you have any questions about your trailer please call the manufacturer.**