

LIGHT MAST OPERATION

LM Multi Stage Series

Read instructions carefully before attempting to install or operate the mast. Failure to comply with instructions and guidelines could result in serious or fatal injury, as well as void any warranty. Retain these instructions for future reference.

EXTEND MAST

1. Position light mast in the desired location. Ensure that the unit is **completely level** and anchor the light mast using all six (6) mounting holes located on the base. This will require six (6) 9/16" bolts. When picking a location, ensure the mast is free and clear from any overhead obstructions.



2. (If applicable) Attach equipment to mast head. Use appropriate measures for securing attached devices. Drill thru-holes as necessary. **Do not exceed weight capacity listed on nameplate!**



3. Install mast head. See *mast head installation steps*.

FOLD OVER MODELS

MAST HEAD INSTALLATION:

With the mast folded over, install light head. Use additional help with heavy equipment installed.



4. Remove the retaining pin from the base of the mast and set aside.



5. Use the "FOLD DOWN/FOLD UP" switch turned to the FOLD UP position to raise the mast to the upright position. When fully upright, the mast will depress the sensor switch found at the base. This will allow the mast to be raised.



6. Replace the pin removed earlier! This retaining pin will prevent the mast from falling over should the winch cable fail.



7. **Mast must be level!** Use a bubble level to level the mast before extending!



8. Use the "RETRACT/EXTEND" switch on the control panel turned to the EXTEND position to raise the mast to desired height. Winch will stop when mast reaches max height.



Do not force the winch any further passed its stopping point!

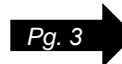
WARNING: Ensure the mast retaining pin is installed at the base of the mast before elevating!



NON-FOLD OVER MODELS

MAST HEAD INSTALLATION:

See *Light Head Installation Section*.



4. Use the "RETRACT/EXTEND" switch on the control panel turned to the EXTEND position to raise the mast to desired height. Winch will stop when mast reaches max height.



LOWER MAST

1. To lower the mast, use the same switch in the RETRACT position until mast reaches desired height or bottoms out. Do not leave excessive slack on the winch cable.



WARNING: Power cables can become pinched or tangled around light mast while lowering or rotating. Take caution in keeping cables clear.

FOLD OVER MODELS

2. Once mast is lowered, remove the retaining pin from the base of the mast and set aside. *This pin must be removed before folding the mast!*



3. Use the "FOLD DOWN/FOLD UP" switch turned to the FOLD DOWN position to fold the mast back to the horizontal position. Do not leave excessive slack on the winch cable.



4. Replace the retaining pin on the base of the mast removed in **Step 2**.



WARNING: Ensure mounted equipment does not exceed weight capacity listed on nameplate!

FOLD OVER MODELS - TROUBLESHOOTING

In order for the spring on fold over models to activate, a headload of at least 15 lb is required.

If the spring does not activate due to insufficient headload:

1. Unwind the fold over winch two times.
2. Apply pressure to help the mast fold over.
3. Resume cranking the winch to lower the mast.

PUSH OVER MODELS

Some models of Larson Electronics' masts are so lightweight that they do not have a spring to assist in folding over. These are known as push over models.

Push over models must be manually folded over with and without a headload.

ROTATING MAST (If applicable)

The mast can be rotated while lowered or elevated.

1. Loosen bolt(s) located toward center collar of light mast.
2. Rotate mast to desired angle.
3. Tighten bolt(s) in order to secure mast in place.



When using power cables, minimize full 360° rotation to prevent tangling cord around light mast. *Ensure cables are not in the way or tangled when lowering mast!*

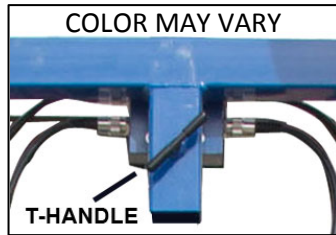
MAST HEAD INSTALLATION

The light mast ships with the light head / T-head removed to prevent damage during transport. Follow the steps below for installing or removing light head.

1. Locate light head. Color, style, and mounted lights will vary.



2. The light head is equipped with a T-Handle / Hand Screw.



3. Make sure the hand screw is loose, to allow the head to slide over the top stage of the mast.

4. Using a pair of slings, wrap both slings around the light head in between the lights on both sides.



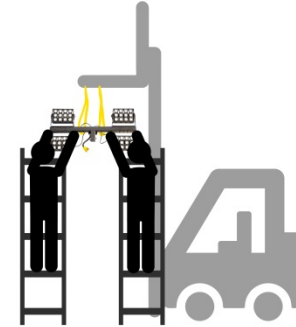
5. Attach the slings to a forklift or other lifting device.



6. With 2 people holding the light head steady, slowly raise the light head above the mast.

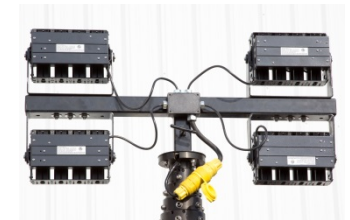


7. A ladder will need to be placed on both sides of the mast, in order for 2 people to guide the head in to place.



8. Once the light head is on top of the light mast, tighten the T-Handle to ensure the light head is safely secured to the top of the mast.

9. Make the electrical connections for the lights. Repeat this process in reverse order for removing the light head.



10. Proceed to the **OPERATION MANUAL** for operating the unit.

Slings are recommended for installing heavy loads and to ensure operator safety. Should other methods be used, Larson Electronics shall not be held responsible for damages or personal injuries.



NOTES



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