OPERATION MANUAL

Skid Mount Five Stage Electric Mast

LM-30-8-5S Series



TABLE OF CONTENTS

DEPLOYING THE UNIT.....Page 2

EXTEND OUTRIGGERS.....Page 2

ELEVATING THE MAST.....Page 3

POWERING THE LIGHTS.....Page 4

LOWERING THE MAST.....Page 4

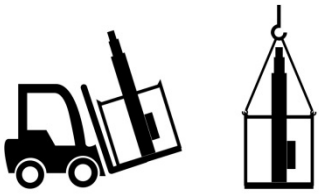
RAISE OUTRIGGERS.....Page 5

ROTATING THE MAST.....Page 5

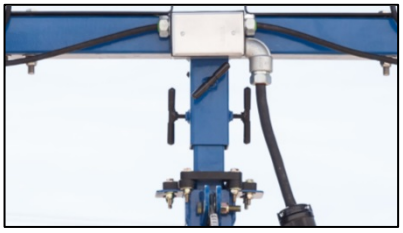
LARSON ELECTRONICS LLC • 9419 E US HWY 175 • KEMP, TX 75143
p: 1-800-369-6671 • intl: 903-498-3363 • f: 903-498-3364 • sales@larsonelectronics.com

LM-30-8-5S SERIES E18 OPERATION MANUAL

DEPLOYING THE UNIT



1. Begin by positioning the mast on a flat surface with a forklift or crane. The mast contains skid pockets and 4 corner pick eyes for easy transportation.



2. Carefully attach the light heads by lifting the light assembly onto the mast and tightening the 4 hand screws to keep it in place.



3. Plug the light head assembly into the power cable coming from the control panel. A twist action will lock the cable in place and secure the connection.

4. Extend the outriggers. **Outriggers must be extended prior to raising the mast!**



a) Remove the locking pin holding the first outrigger in place.



b) Rotate the jack clockwise so its foot will touch the ground.



c) Pull the outrigger out toward the ground while extending its arm.



d) Replace the locking pin to lock the outrigger in place.



e) Repeat this process for each of the remaining outriggers.



5. Rotate each jack handle clockwise to raise it and level the cube mast. Use a bubble level to help ensure the mast is level.



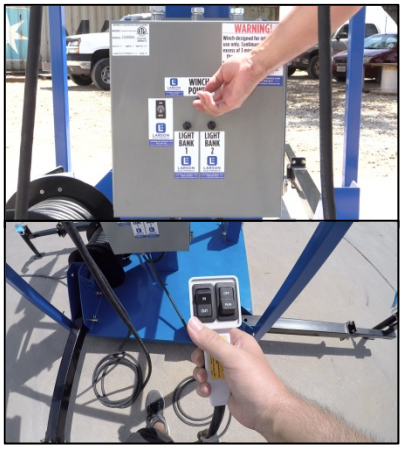
6. Unreel the power cord to a nearby power source. Be sure the control panel is not plugged into the cord reel when rotating the unit. Once the power cord has been extended and plugged into a power source, it is good practice to rotate the reel so the receptacle is at the top.



7. Plug the control panel into the receptacle attached to the cord reel. A twist action will lock the plug in place and secure the connection. Ensure all power cables are plugged in at this time.

Once the skid mast is level, the outriggers are deployed and all cables are plugged in, the mast is ready to be elevated.

ELEVATING THE MAST



1. From the control panel, turn the **WINCH POWER** switch **UP** to its **ON** position. This enables power to the electric winch on the mast.

2. Grab with remote control and position the left switch to **OUT**.



3. Press and hold down the momentary **RUN** switch to elevate the mast to its full height. Pay attention to prevent any snags in the cord while elevating the mast. The winch will automatically stop once fully elevated and reverse a few inches. **RELEASE** the **RUN** switch and the mast is deployed. **WINCH POWER** can be turned **OFF** to prevent the winch from operating while the mast is deployed.

⚠ WARNING

THE WINCH IS DESIGNED FOR INTERMITTENT USE ONLY. CONTINUOUS RUNNING IN EXCESS OF 3 MINUTES CAN DAMAGE THE WINCH MOTOR. ALLOW A 20 MINUTE COOL OFF PERIOD BEFORE CONTINUING USE OF THE WINCH.

POWERING THE LIGHTS



Two switches on the control panel labeled "**LIGHT BANK 1**" and "**LIGHT BANK 2**" control each light bank on the tower. Move each switch **UP** to its **ON** position in order to power the lights. The **DOWN** position, powers **OFF** each light bank.

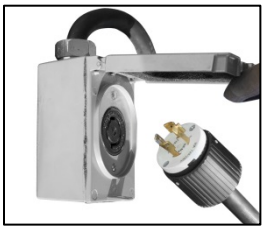
LOWERING THE MAST



1. Turn **OFF** both light banks and turn **ON** WINCH POWER
2. Grab the remote control and move the **LEFT SWITCH** to **IN**
3. Press and hold down the momentary **RUN** switch to lower the mast. Keep an eye on the power cord while lowering.
4. **RELEASE** the **RUN** switch once the mast stops and is no longer supported by the winch cable
5. Switch **WINCH POWER OFF**
6. Once the mast is lowered;



a. Power down all switches by moving them to their **OFF** position.



b. Unplug the unit from its main power source.



c. Unplug the control panel from the receptacle on the cord reel.



d. Reel in the power cord



e. Raise all outriggers.

RAISE OUTRIGGERS



1. Remove the locking pin



2. Raise the arm while pushing the outrigger inwards to fit in the cube mast



3. Rotate the jack to keep it from sticking out during transport



4. Replace the locking pin to hold the outrigger in place

ROTATING THE MAST

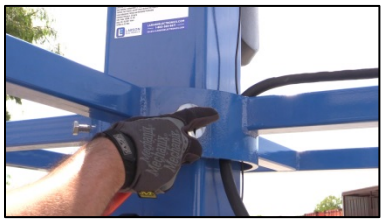
The mast can be rotated while fully lowered or elevated.



1. Loosen the two bolts located toward the center of the light mast near its circular pivot point



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



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

If complete 360° degree movement is necessary, unplug the light heads until your desired rotation is achieved and plug the light head back in while the mast is lowered. This prevents tangling the cord around the light mast.