

# LIGHT MAST OPERATION

**Mobile Communication Tower w/ Trailer**  
**Part# LM-30-3S-ATM-TLR-PWDC**

Follow the steps below for operating the light mast.

## EXTEND MAST

1. To extend the mast, begin by removing the top retaining pin from the mast holder.



2. Unlatch the cable preventing the mast from extending during transport.



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



4. Use the lower hand winch to fold the mast upright. Turn this clockwise until there is enough tension keeping the mast in place. You should hear a clicking noise from the hand winch indicating the proper direction.



5. **Replace the pin removed in Step 3!**  
This retaining pin will prevent the mast from falling over should the winch cable fail.



6. Use the upper hand winch for extending the mast. Turn this clockwise until it stops. You should hear a clicking noise from the hand winch indicating the proper direction. **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!

## LOWER MAST

1. To lower the mast, rotate the upper winch counter-clockwise. The winch will not click at this point and you should visually see the mast lowering. Stop once there is no more tension on the cable.



2. **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 lower hand winch to fold the mast down. Rotate the winch counter-clockwise until there is no more tension on the cable and the mast is set in its holder.



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



5. Replace the cable preventing the mast from extending during transport.



6. Replace the top retaining pin of the mast holder.



**WARNING:** Ensure mounted equipment does not exceed the capacity listed on the specifications!

*Replace all safety cables and pins before transport!*

*Be sure there are no loose objects on the trailer before transport!*

*If applicable, extend outriggers for maintaining stability while the mast is deployed!*

<b>Tower Specs</b>
<b>Tower Length:</b> 13.5' to 30'
<b>Antenna Pole OD:</b> 2"
<b>Capacity:</b> 150 lbs
<b>Materials:</b> Steel
<b>Finish:</b> Powder Coated - Gloss Blue
<b>Operation:</b> (2)1,000lbs Hand Winches, Electric Optional
<b>Cable:</b> 3/16" Galvanized Aircraft Cable



9419 US-HWY 175  
Kemp, TX 75143 USA  
P: 800-369-6671 | INTL: 903-498-3363 F: 903-498-3364  
sales@larsonelectronics.com  
www.larsonelectronics.com