

Instruction Manual

READ BEFORE USING OR INSTALLING!

Read instructions carefully **before** attempting to install the mast or operate the mast winches. 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.

1. Position the unit in its desired location. Ensure that the unit is **completely level** and then anchor the unit using the mounting holes located at the bottom of the base. When picking a location, ensure the mast is free and clear from any overhead obstructions.



2. Put the mast head on with customer provided equipment.



3. Once the mast head with customer provided equipment is installed, you are ready to put power to the unit. This unit runs off of 12VDC. The 12VDC must be constant. This unit has a provided line in.

Connect the **white** wire to your **positive** and the **black** wire to your **negative**. The red and green wires are for customer use and are not tied to any source in the control box.



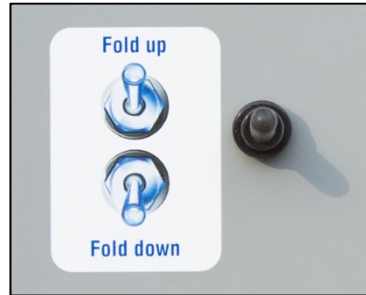
4. You are now ready to use the unit. Locate the control box on the side of the unit. The lower right switch controls the power to the whole unit. Turn that switch to the up (**on**) position.



5. To fold the mast up in the vertical position:
 - Remove the mast retaining pin located at the bottom of the mast.



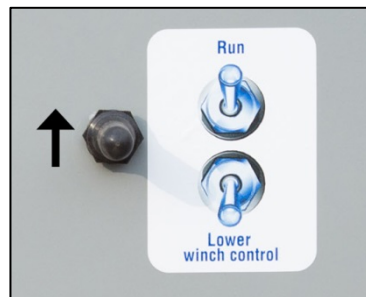
- Make sure the upper left switch is in the “Fold up” position.



- Make sure the lower left switch is in the “Lower Winch” position.



- Locate the upper right switch labeled “Run” and “Lower Winch Control”.



- This is a momentary switch that only toggles up. This switch is designed to stop the winch, when you let off of the switch.
- Toggling the momentary switch up, and holding it, the mast will begin to rise from the folded over position.

- Once the mast reaches its vertical position, a sensor will make it stop, and then briefly back off. This is by design, do not be alarmed.



- Re-insert the mast retaining pin. Once you have reached that point, you are ready to extend the mast.



Important! The winch is designed for intermittent use only. Continuous running in excess of 3 minutes can damage the winch motor. Allow a 20 minute cooling off period before continuing use. Continuous use without a cooling off period will cause overheating and damage the motor.

6. To extend the mast:

- Make sure the lower left switch is in the “Upper Winch” position.



- Locate the provided hand control/pendant switch.



- The hand control plugs into a whip coming out of the bottom of the control box.



- Once the hand control is plugged in, you are now ready to extend the mast.

- Put the hand control in the “out” position



- Press the button that says “run” in order to extend the mast to the desired height. Letting off of the “run” button will stop the mast.
- Once the unit reaches its maximum height it will hit a sensor and retract for 3 seconds. This will prevent the mast from over extending. Once you have reached that point, the unit is installed.

Important: The winch is designed for intermittent use only. Continuous running in excess of 3 minutes can damage the winch motor. Allow a 20 minute cooling off period before continuing use. Continuous use without a cooling off period will cause overheating and damage the motor.



7. To retract the mast:

- Make sure the lower left switch is in the “Upper Winch” position.



- Locate the provided hand control/pendant switch.
- The hand control plugs into a whip coming out of the bottom of the control box.
- Once the hand control is plugged in, you are now ready to retract the mast.
- Put the hand control in the “in” position.



- Press the button that says “run” in order to retract the mast. Letting off of the “run” button will stop the mast. Once the mast is all the way down, let off of the “run” button.
- Once the cable goes slack, stop immediately. Do not allow the winch to “free spool”.

Important: The winch is designed for intermittent use only. Continuous running in excess of 3 minutes can damage the winch motor. Allow a 20 minute cooling off period before continuing use. Continuous use without a cooling off period will cause overheating and damage the motor.

- 8. To fold the mast down in the horizontal/folded position:

NEVER FOLD THE MAST OVER WITH IT EXTENDED

- Remove the mast retaining pin located at the bottom of the mast.



- Make sure the upper left switch is in the “Fold Down” position.



- Make sure the lower left switch is in the “Lower Winch” position.



- Locate the upper right switch labeled “Run” and “Lower Winch Control”.



- This is a momentary switch that only toggles up. This switch is designed to stop the winch, when you let off of the switch.
- Toggling the momentary switch up, and holding it, the mast will begin to fold over from the vertical position.
- Once the mast reaches the horizontal position, let off of the momentary switch. Do not allow the mast to lay further than a 90 degree angle.
- Re-insert the mast retaining pin.



Important! The winch is designed for intermittent use only. Continuous running in excess of 3 minutes can damage the winch motor. Allow a 20 minute cooling off period before continuing use. Continuous use without a cooling off period will cause overheating and damage the motor.

9. Using the lower right switch, turn the power to “off”.



10. You can now disconnect from the power source.