



# ZUMRO Shelter System Field Manual

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1-352-557-4740



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# Folding Shelter

Models 150,216, 284,311,400

**Pull Canopy into floor footprint**

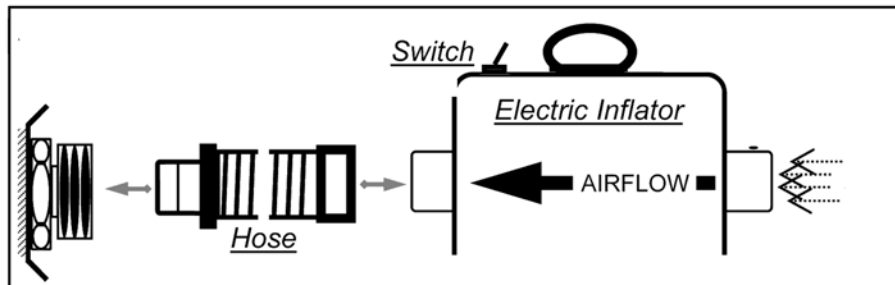


# Shelter Instructions

Models 150,216, 284,311,400

## Inflation Instructions

1. Open carrying case.
2. Roll case & shelter upside down and remove carrying bag.
3. Locate valves at the corner of shelter airframe.
4. Connect hose to inflator then connect hose nipple to shelter valve, push into valve.
5. Pull valve to open.  
**\*There is no need to unroll the shelter manually, unless deploying in an area with limited space\***
7. Run inflator until deployed. **\* The shelter will roll out then to the left of the valve.\***
8. Pull valve to close.
9. Shut off inflator.

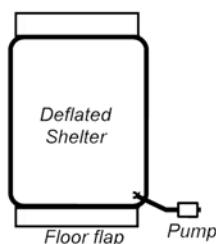


## Deflation Instructions

1. Open shelter valve and allow the shelter to deflate.  
**\*Be mindful of any objects near the side of the shelter as it deflates.\***
2. Connect hose to suction side of pump and run until the remaining air is removed from the shelter.  
**\* Do not allow the pump to run if no air is being expelled out of the pump, It will over-heat.\***
3. Fold the tent as pictured below keeping the pump attached. Turn on the pump if needed to remove any air that may have been trapped inside. Remove hose and pump once rolled. Keep the valve open.
4. Roll tent until the opposite end is underneath, then place bag over the shelter and roll until the top of the bag is facing up. Attach clips and remove any slack .

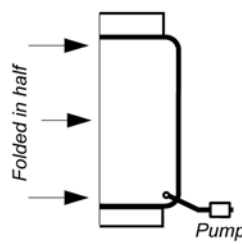
### STEP 1

LAY SHELTER CANOPY WITHIN FLOOR SIZE.



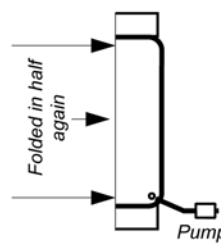
### STEP 2

FOLD IN HALF. (LENGTHWAYS)



### STEP 3

FOLD IN HALF AGAIN. (LENGTHWAYS).

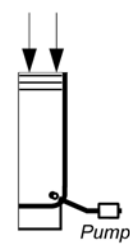


### STEP 4

ROLL TOWARDS PUMP.

PLACE BAG OVER TOP.

ROLL OVER AND CLOSE BAG.



# Folding Shelter

Model Quad



**Fold Sides in to Square Shelter**



**Fold Shelter In Half**



**Fold Shelter In Half**



**Roll Shelter Starting On The Opposite Side Of The Valve**



**Roll Shelter Until Opposite End Is Underneath**



**Place Bag Over Top**



**Roll Shelter/Bag Over**



**Attach Side Clip  
\*Feed Strap as you Pull**



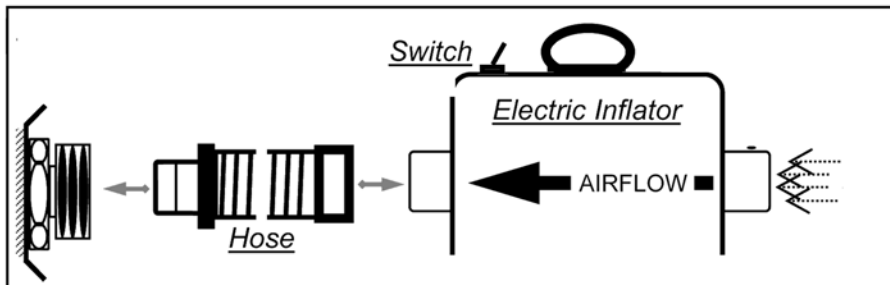
**Attach Top Flap Clips  
\*Feed Strap as you Pull**

# Shelter Instructions

Model Quad

## Inflation Instructions

1. Open carrying case.
2. Roll case & shelter upside down and remove carrying bag.
3. Locate valves at the corner of shelter airframe.
4. Connect hose to inflator then connect hose nipple to shelter valve, push into valve.
5. Pull valve to open.  
**\*There is no need to unroll the shelter manually, unless deploying in an area with limited space\***
7. Run inflator until deployed. **\* The shelter will roll out then to the left of the valve.\***
8. Pull valve to close.
9. Shut off inflator.

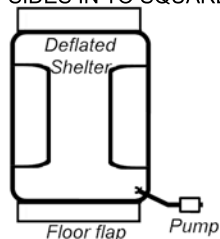


## Deflation Instructions

1. Open shelter valve and allow the shelter to deflate.  
**\*Be mindful of any objects near the side of the shelter as it deflates.\***
2. Connect hose to suction side of pump and run until the remaining air is removed from the shelter.  
**\* Do not allow the pump to run if no air is being expelled out of the pump, It will over-heat.\***
3. Fold the tent as pictured below keeping the pump attached. Turn on the pump if needed to remove any air that may have been trapped inside. Remove hose and pump once rolled. Keep the valve open.
4. Roll tent until the opposite end is underneath, then place bag over the shelter and roll until the top of the bag is facing up. Attach clips and remove any slack .

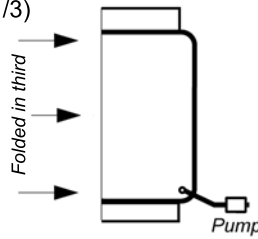
### STEP 1

LAY SHELTER CANOPY  
WITHIN FLOOR SIZE.  
FOLD SIDES IN TO SQUARE



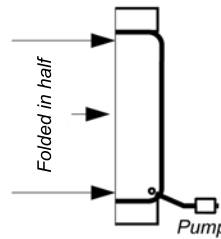
### STEP 2

FOLD UNTIL WHITE  
HANDLES ARE VISABLE  
(1/3)



### STEP 3

FOLD IN HALF  
(LENGTHWAYS).

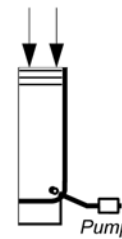


### STEP 4

ROLL TO-  
WARDS  
PUMP.

PLACE BAG  
OVER TOP.

ROLL OVER  
AND CLOSE  
BAG.

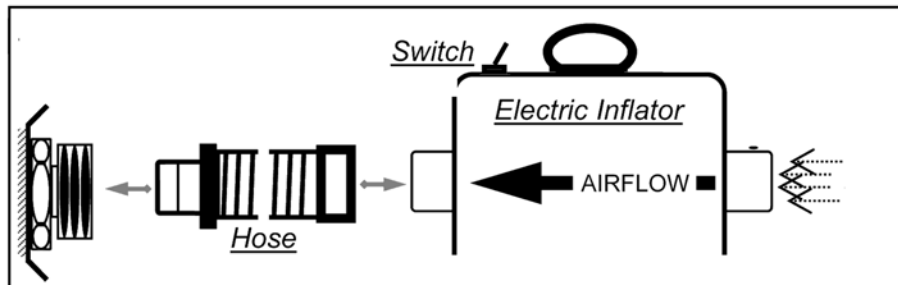


# Shelter Instructions

Model 860

## Inflation Instructions

1. Open carrying case.
2. Roll case & shelter upside down and remove carrying bag.
3. Locate valves at the corner of shelter airframe.
4. Connect hose to inflator then connect hose nipple to shelter valve, push into valve.
5. Pull valve to open.  
**\*There is no need to unroll the shelter manually, unless deploying in an area with limited space\***
7. Run inflator until deployed. **\* The shelter will roll out then to the left of the valve.\***
8. Pull valve to close.
9. Shut off inflator.

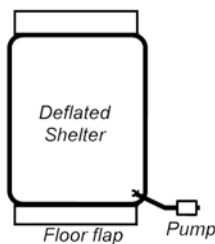


## Deflation Instructions

1. Open shelter valve and allow the shelter to deflate.  
**\*Be mindful of any objects near the side of the shelter as it deflates.\***
2. Connect hose to suction side of pump and run until the remaining air is removed from the shelter.  
**\* Do not allow the pump to run if no air is being expelled out of the pump, It will over-heat.\***
3. Fold the tent as pictured below keeping the pump attached. Turn on the pump if needed to remove any air that may have been trapped inside. Remove hose and pump once rolled. Keep the valve open.
4. Roll tent until the opposite end is underneath, then place bag over the shelter and roll until the top of the bag is facing up. Attach clips and remove any slack .

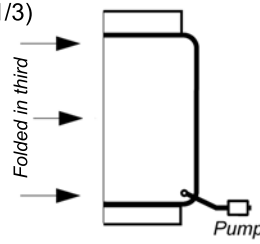
### STEP 1

LAY SHELTER CANOPY WITHIN FLOOR SIZE.



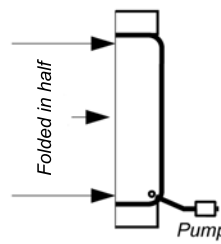
### STEP 2

FOLD UNTIL WHITE HANDLES ARE VISABLE (1/3)



### STEP 3

FOLD IN HALF (LENGTHWAYS).

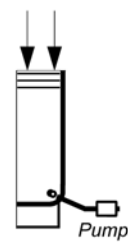


### STEP 4

ROLL TOWARDS PUMP.

PLACE BAG OVER TOP.

ROLL OVER AND CLOSE BAG.



# LED Instructions

Make the Below Connections then turn on switches on side of Case. \*Switches vary depending on Shelter.\*

Connect LED Connection From Shelter Here. **DO NOT FORCE**  
-Align the three tabs  
-Push until ring is in place  
-Twist ring to lock in position

110V Connection Here



## Troubleshooting

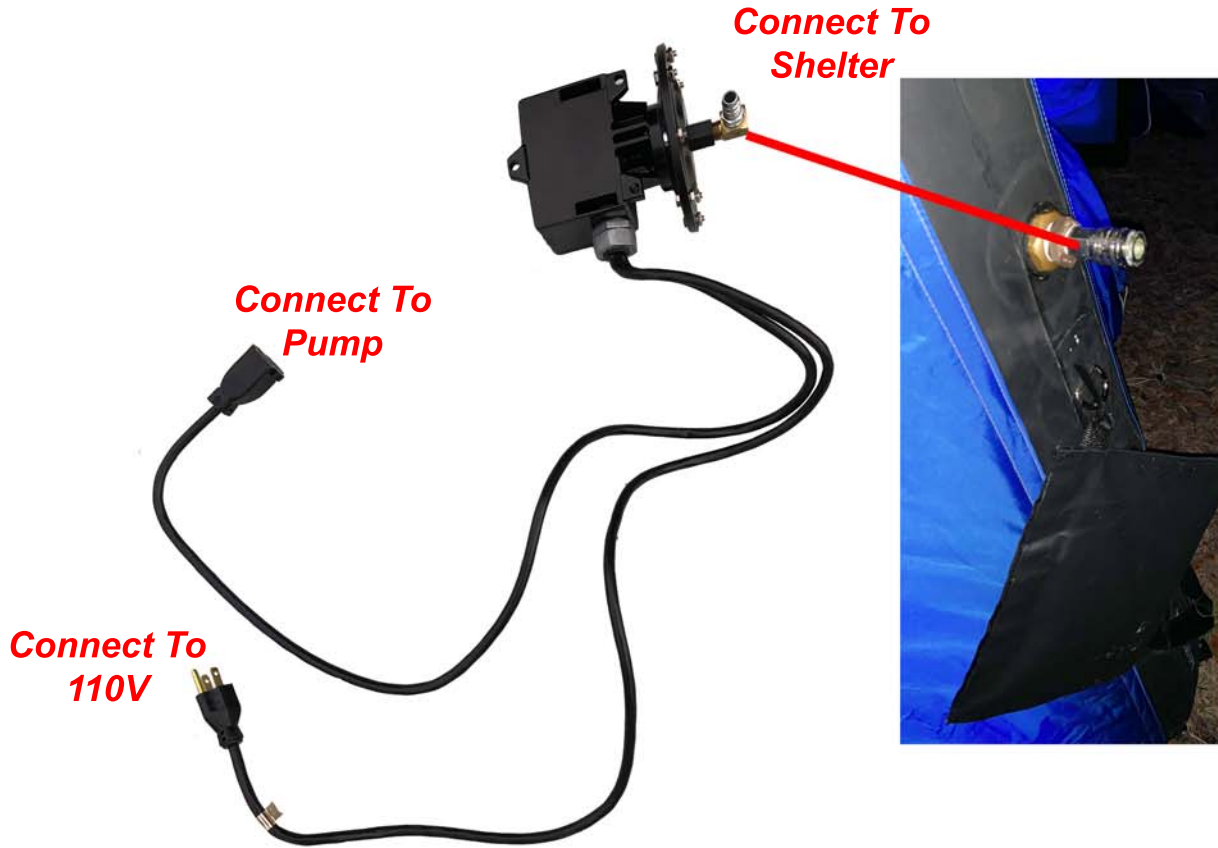
- Check Fuses \*Fuse Panel Located Inside Case\*



- Check All Connections  
- If Individual Strips are off Check Connections at Strip.

# Auto Inflator

*The Auto Inflator will Maintain Shelter Pressure during a long deployment.*





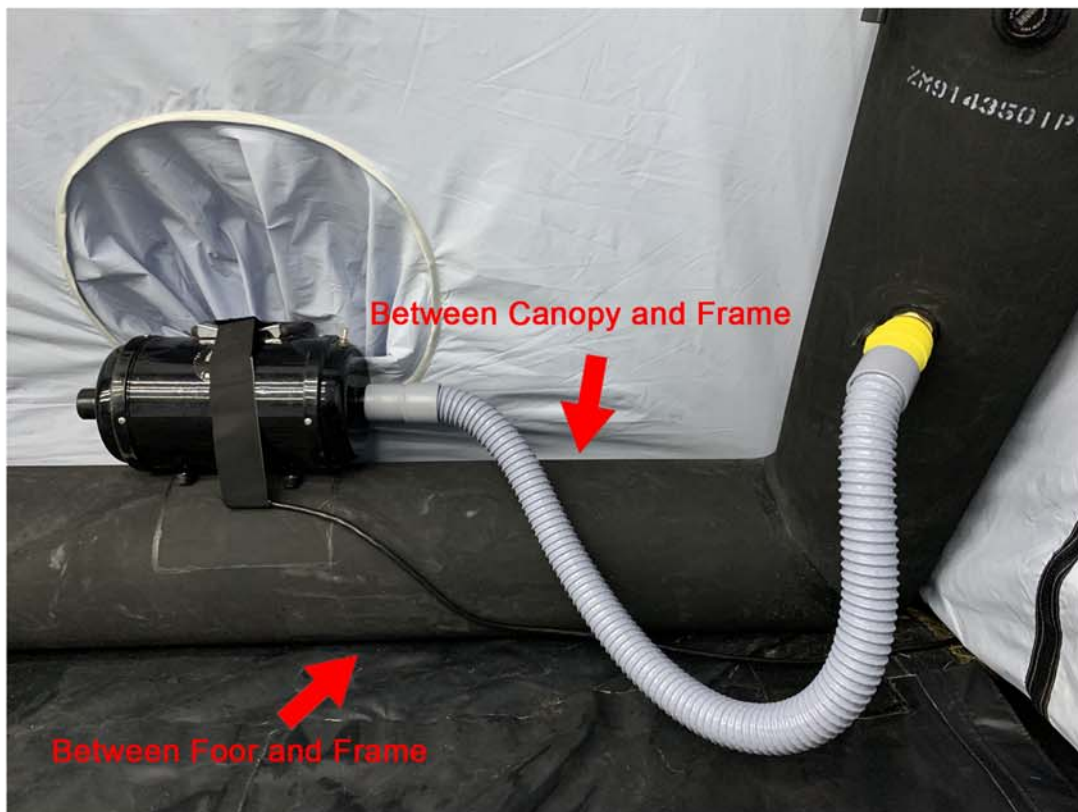
# Drying Shelter

**Before Storing Shelter, The Shelter Need to Be 100% Dry. If Not Damage To The Canopy Can Occur. As Well as Mold And Mildew.**

Below are some tips to help dry the shelter:

- Inflate the shelter on an inclined surface
- Open all doors. (Make sure to anchor the shelter)
- Use a Leaf Blower to blow standing water out of the shelter
- Use floor fans to dry the floor
- Use a wet vac to remove water between beams and canopy
- As you roll up the shelter, wipe any moisture between the ground and bottom of the floor with a towel.

Areas that can trap water:



# Model 400

**DEPLOYMENT:****PERSONNEL REQUIRED FOR DEPLOYMENT: 2****STANDARD INFLATOR DEPLOYMENT TIME: <5 Minutes****HIGH VOLUME INFLATOR DEPLOYMENT TIME: <3 Minutes****SCBA DEPLOYMENT TIME: <1.5 Minutes (120 Minutes of Air)**

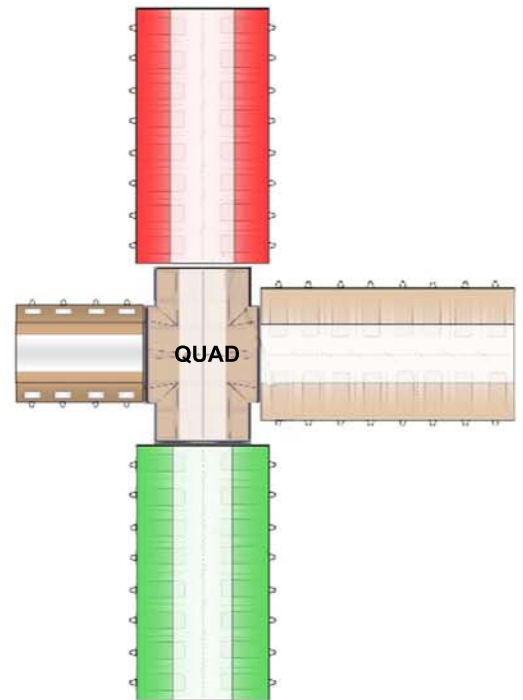
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**DIMENSIONS:****FLOOR SPACE: 400 SQ FT****DEPLOYED DIMENSIONS (EXTERIOR): 21' X 20' X 10.7'****DEPLOYED DIMENSIONS (INTERIOR): 21' X 19.2' X 10'****PACKED DIMENSIONS: 40" X 30" X 24"****WEIGHT (BASE SHELTER ONLY): 210 LBS**

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**PERFORMANCE:****WIND LOAD (SUSTAINED): 50 mph****WIND LOAD (GUST): 60 mph****RAIN / SNOW LOAD: 750 gpm (104.25 LBS p/s)****OPERATING TEMPERATURE RANGE: -60F to +140F****OPERATING AIR PRESSURE: 3.5 PSI****MAX AIR PRESSURE: 5 PSI****MIN AIR PRESSURE: 1 PSI**

# Quad



## **DEPLOYMENT:**

**PERSONNEL REQUIRED FOR DEPLOYMENT: 4**

**STANDARD INFLATOR DEPLOYMENT TIME: <7 Minutes**

**HIGH VOLUME INFLATOR DEPLOYMENT TIME: <5 Minutes**

**SCBA DEPLOYMENT TIME: <4 Minutes (180 Minutes of Air)**

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## **DIMENSIONS:**

**FLOOR SPACE: 454 SQ FT**

**DEPLOYED DIMENSIONS (EXTERIOR): 29.4' X 19.4' X 8.5'**

**DEPLOYED DIMENSIONS (INTERIOR): 29.4' X 15.7' X 8'**

**PACKED DIMENSIONS: 50" X 29" X 24"**

**WEIGHT (BASE SHELTER ONLY): 390 LBS**

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## **PERFORMANCE:**

**WIND LOAD (SUSTAINED): 50 mph**

**WIND LOAD (GUST): 60 mph**

**RAIN / SNOW LOAD: 750 gpm (104.25 LBS p/s)**

**OPERATING TEMPERATURE RANGE: -60F to +140F**

**OPERATING AIR PRESSURE: 3.5 PSI**

**MAX AIR PRESSURE: 5 PSI**

**MIN AIR PRESSURE: 1 PSI**

# Model 860



## **DEPLOYMENT:**

**PERSONNEL REQUIRED FOR DEPLOYMENT: 6**

**STANDARD INFLATOR DEPLOYMENT TIME: <7 Minutes**

**HIGH VOLUME INFLATOR DEPLOYMENT TIME: <5 Minutes**

**SCBA DEPLOYMENT TIME: <4 Minutes (240 Minutes of Air)**

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## **DIMENSIONS:**

**FLOOR SPACE: 860 SQ FT**

**DEPLOYED DIMENSIONS (EXTERIOR): 42' X 21.8' X 10.7'**

**DEPLOYED DIMENSIONS (INTERIOR): 42' X 20.5' X 10'**

**PACKED DIMENSIONS: 78" X 34" X 34"**

**WEIGHT (BASE SHELTER ONLY): 530 LBS**

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## **PERFORMANCE:**

**WIND LOAD (SUSTAINED): 50 mph**

**WIND LOAD (GUST): 60 mph**

**RAIN / SNOW LOAD: 750 gpm (104.25 LBS p/s)**

**OPERATING TEMPERATURE RANGE: -60F to +140F**

**OPERATING AIR PRESSURE: 3.5 PSI**

**MAX AIR PRESSURE: 5 PSI**

**MIN AIR PRESSURE: 2 PSI**

# 3.5 Ton AC



## **DIMENSIONS:**

**Unit Dimensions (LxWxH): 50.5" x 35" x 44"**

**Unit Weight: 481 LBS**

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## **PERFORMANCE:**

**Cooling Capacity: 42,000 BTU/HR**

**Heating Capacity (Heat Pump Only): 42,000 BTU/HR**

**Resistance Heater Capacity (Optional): +20,000 BTU/HR**

**Air Supply: 1,400 CFM @ 0.1 Wet Coil**

**Dehumidifying: 50% RH Max**

**Operating Temperature Range: -40 DEG F - 125 DEG F**

**Rating Ambient: 95 DEG F**

**Max Power Draw (Heat Pump): 6.4kW @ 27A**

**Max Power Draw (Resistance Heater): +6kW @ 33A**

# LED Lighting



## **SPECIFICATIONS**

***LED Light Wave Length.. 4500 K / Natural White***

***Lumens per Light Strip .... 2700***

***Current Draw @12 V..... 3 Amps per Light Strip or 35 Watts***

***LED's per Strip ..... 600 to 1200, depending on Shelter Model***

***LED Voltage ..... 12 Volt DC***

***Control Box..... 110 Volt with 2 additional 110 Volt outlets.***

***Transformer..... Fan Cooled 110VAC to 12VDC converter.***

# Troubleshooting

## Stuck Zipper

Sometimes, if the shelter is packed with the door zipped shut, the teeth on the zipper can get out of alignment.

Place a hard flat surface behind the zipper.  
Push the tooth back into place.  
Pliers can be used if available.



## Cleaning

If the shelter was put away wet and now has mold and mildew there are many products out there to help. What we've found to work best is a bleach solution. It won't remove stains, but will remove the smell. Using a garden sprayer, Let Soak, **Then Rinse**. For tougher jobs use a soft bristle brush with a bleach water solution in a bucket.



If you have any other issues please contact us