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# EZ-NPP Weather Station Mounting Tripod and Mast with Platform User Manual



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## 1. Introduction

Avoid drilling lag screws into your flat roof top or concrete pad, the EZ-NPP is recommended for high wind installations, providing a strong platform with cinder blocks for ballast (cinder blocks are not included).

Ideal for non-penetrating flat roof and ground installations, the EZ-NPP tripod and mast assembly includes a sturdy, galvanized steel mounting platform. The platform is sized for four standard concrete cinder blocks as ballast.

The EZ-NPP Tripod assembly is constructed of 18 gauge 1008-10 steel tubing, galvanized using the Flo-Coat (zinc-chromate-polymer) process for excellent corrosion protection.

Ungalvanized mast collars, & connecting components are gold irridited for corrosion protection.

Mast collars feature a captive "stop-nut" design, to eliminate lock nut spin when tightened; and a mast supporting cup for additional stability.

Tripod height 33 inches (85.8 cm). Supplied with one mast for an assembly height of 53" inches (150.8 cm).

Add up to two mast extensions (EZ-125-35M) to extend the height of 31" per mast extension.

## 2. Parts

The EZ-NPP assembly includes the following components.



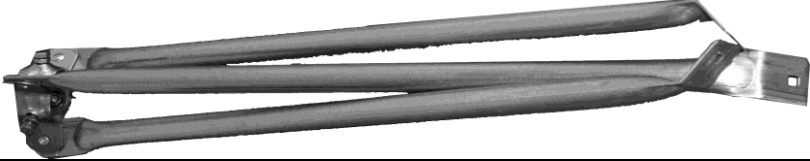





QTY	Description	Image
1	34.5" Steel Angle	
4	28.5" Steel Angle	
1	Tripod Assembly	
1	31" Lower Mast	
1	35" Swaged Upper Mast	
12	3/4" Bolt	
1	2 1/4" Bolt	
12	1/2" Lock Nut	

Figure 1

## 3. Warnings

**⚠ WARNING:** Improper installation of the mounting kit to your home or building may result in leaks. We recommend a licensed roofing specialist for invasive installations.

**⚠ WARNING:** Any metal object may attract a lightning strike, including your weather station and mount. Never install your weather station in a thunderstorm.

**⚠ WARNING:** We recommend properly grounding the mount to avoid extensive damage to the weather station and structure. Consult a licensed electrician or local lightning detection expert prior to installing a ground wire.

**⚠ WARNING:** Installing your weather station in a high location may result in injury or death.

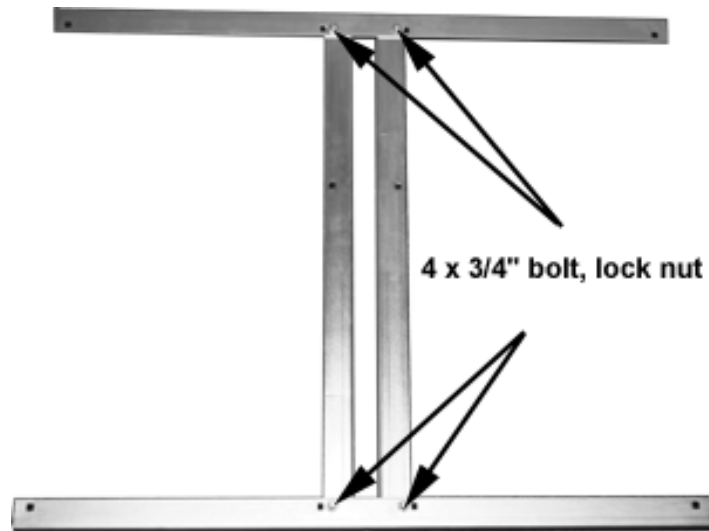
## 4. Recommended Tools and Materials

- Adjustable Wrench
- Level or Plumb

## 5. Installation

### 5.1 Platform

Connect the two 34.5" steel angle brackets with two 28.5" steel angle brackets with four  $\frac{3}{4}$ " bolts and tighten with four lock nuts using  $\frac{1}{2}$ " wrench, as shown in Figure 1.



Complete the platform by connecting the remaining two 28.5" steel angle brackets to the two 34.5" steel angle brackets with four  $\frac{3}{4}$ " bolts and tighten with four lock nuts using  $\frac{1}{2}$ " wrench, as shown in Figure 2.

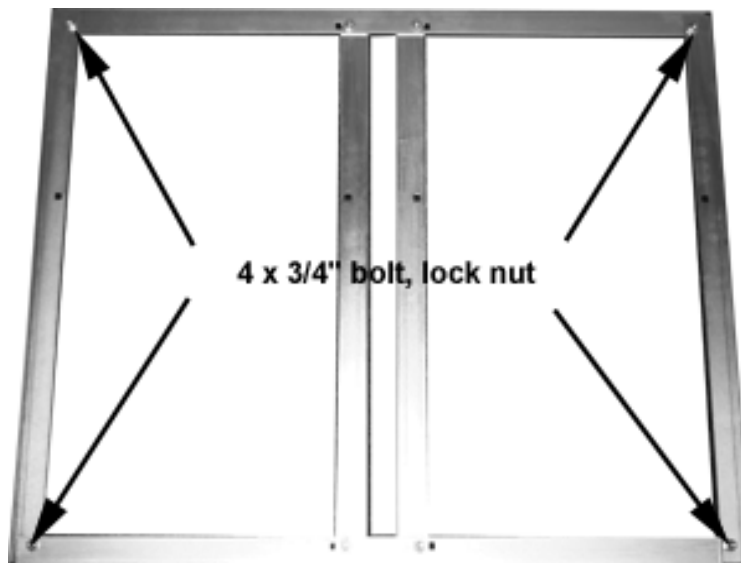


Figure 2

Make sure the four tripod mounting holes are aligned (a) and (b), as shown in Figure 2b.

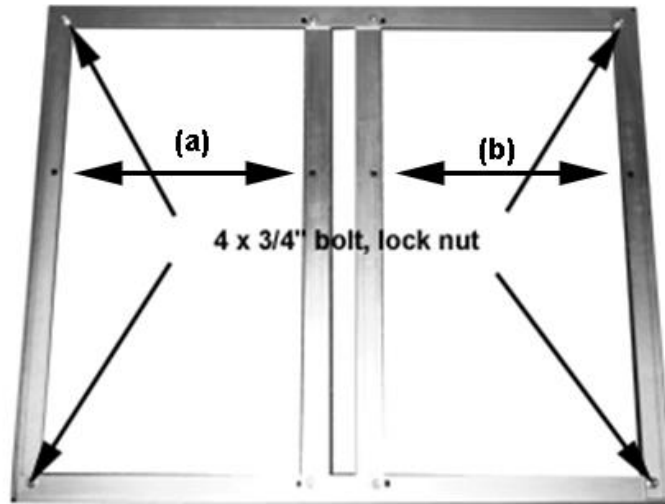


Figure 2b

## 5.2 Tripod

Unfold the tripod so the tripod feet are aligned up with the platform, as shown in Figure 3. Connect the tripod to the platform with three  $\frac{3}{4}$ " bolts and tighten with three lock nuts using  $\frac{1}{2}$ " wrench, as shown in Figure 3.

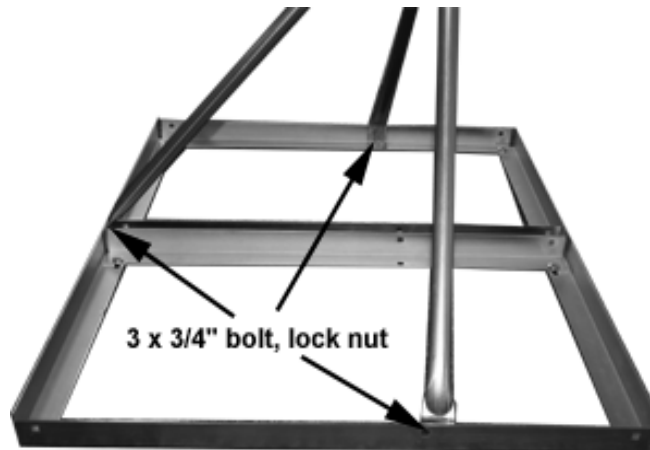


Figure 3

Reference Figure 4 & 5. Insert the mounting pole into the center of the two collars. Secure the mast by tightening the hex nuts on the  $\frac{5}{16}$ " bolts until the bolts hold the mast in place securely. Make sure the mast is level.

Connect the lower mast to the platform by threading the  $2 \frac{1}{4}$ " bolt through the center hole and tighten with the remaining lock nut.

Make sure the creased and bent legs are installed per Figure 5.

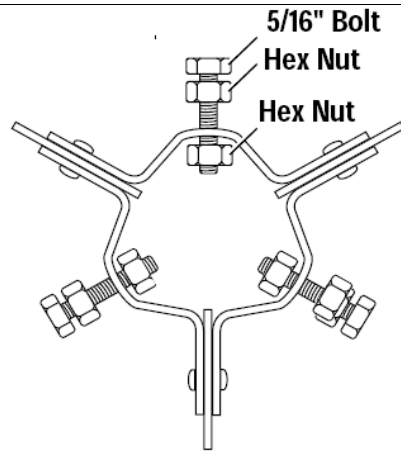


Figure 4

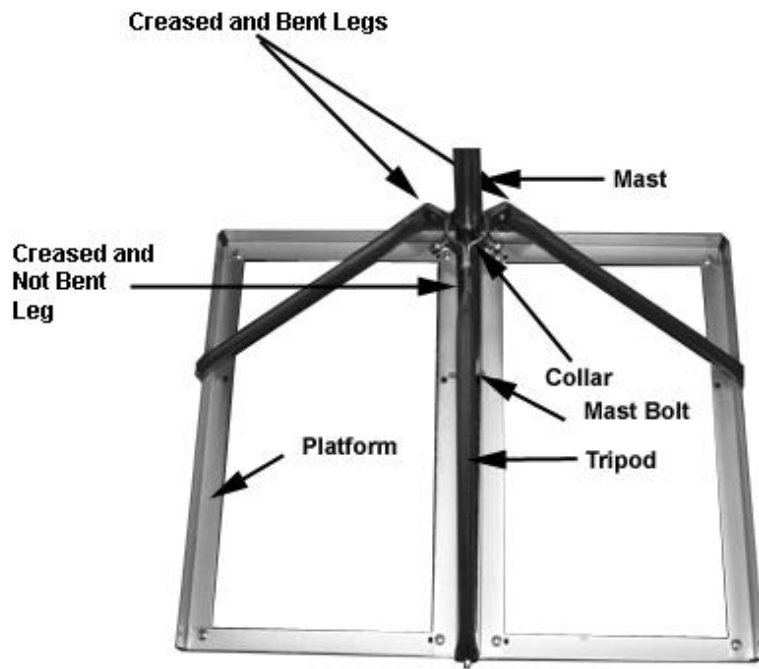


Figure 5

### 5.3 Mast

Insert the swaged end of the upper mast into the lower mast as shown in Figure 6. Tighten so the upper mast does not rotate and tap with hammer or mallet until secure.



Figure 6

## 5.4 Ballast

Load the platform with four 8 x 8 x 16" cinder blocks for ballast, as shown in Figure 7.

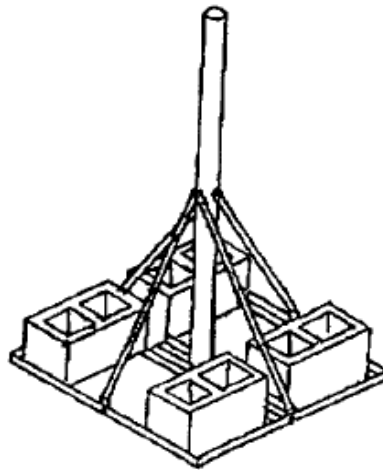


Figure 7

## 6. Optional Mounting Equipment

### EZ-125-35M 35" Mast Extension (Optional)



Figure 8

Galvanized 1-1/4 inch (3.25 cm) O.D., 35 inch (89 cm) long steel post with one end crimped for insertion into another post of the same O.D.

Made of 18 gauge 1008-10 steel tubing, galvanized using the Flo-Coat (zinc-chromate-polymer) process for excellent corrosion protection.

When used with the EZ-NPP tripod, this extension will raise the anemometer to a height of 84 inches.

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## 7. Warranty Information

Ambient, LLC provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased and only to the original purchaser of this product. To receive warranty service, the purchaser must contact Ambient, LLC for problem determination and service procedures.

Warranty service can only be performed by a Ambient, LLC. The original dated bill of sale must be presented upon request as proof of purchase to Ambient, LLC.

Your Ambient, LLC warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (lack of reasonable and necessary maintenance); (3) damage resulting from failure to follow instructions contained in your owner's manual; (4) damage resulting from the performance of repairs or alterations by someone other than an authorized Ambient, LLC authorized service center; (5) units used for other than personal use (6) applications and uses that this product was not intended (7) the products inability to receive a signal due to any source of interference or metal obstructions and (8) extreme acts of nature, such as lightning strikes or floods.

This warranty covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller or performance variations resulting from installation-related circumstances.

