

## 4 Bay Kit Assembly Instructions

This kit is designed for easy assembly and should be easily assembled and mounted in 30 minutes or less with a minimum amount of tools.

The only tool required to assemble the kit is a screw driver.

Depending on your choice of mounting surface (back bone) and mounting screws a drill motor and drill bit may also be required and is recommended. Dry wall, wood, or sheet metal screws are a good choice for mounting the stand-offs.

### Step 1

Remove contents from box **Contents should include**

- (1) paper template
- (4) round PVC stand-offs
- (1) feed point stand-off
- (10) 8-32 x 3/8" screws
- (10) 8-32 lock washers

### Step 2

Attach the paper template in position on your choice of mounting surface (back bone), make sure the template is straight and tight. Use the line to help center the template on the mounting surface (back bone), some tape on each end should secure it into position. The mounting points are marked on the template with a +, the feed point is the center mark.

Mark or drill the 5 mounting points on your back bone and remove the template. See Figure 1 for details

### Step 3

**When attaching the stand-offs leave the screws slightly loose during this step.**

Attach the feed point stand-off in the center first then attach the (4) round PVC stand-offs in the remaining spots. See figure 2 for details

### Step 4

Find the whisker assemblies labeled 1 and 2, these should be attached to the left hand side of the antenna with 1 in the upper left and 2 in the lower left. Using the 8-32 x 3/8" screws and lock washers attach the assemblies as shown in figure 3, only lightly tighten the screws at this time.

**Leave the feed point screws off at this time**

### Step 5

Find the whisker assemblies labeled 3 and 4, these should be attached to the right hand side of the antenna with 3 in the upper right and 4 in the lower right. Using the 8-32 x 3/8" screws and lock washers attach the assemblies as shown in figure 4, only lightly tighten the screws at this time.

**The feed point screws can be installed loosely at this time to make sure everything is aligned.**

During shipping the bow in the crossover phase lines may get tweaked, in order for everything to line up they may have to be readjusted.

If alignment is still a problem recheck your back bone mounting holes with the template

### Step 6

Tighten all the screws except the feed point screws, the feed point screws can be tightened when your balun or feeder wire is attached.

The assembly is now complete.

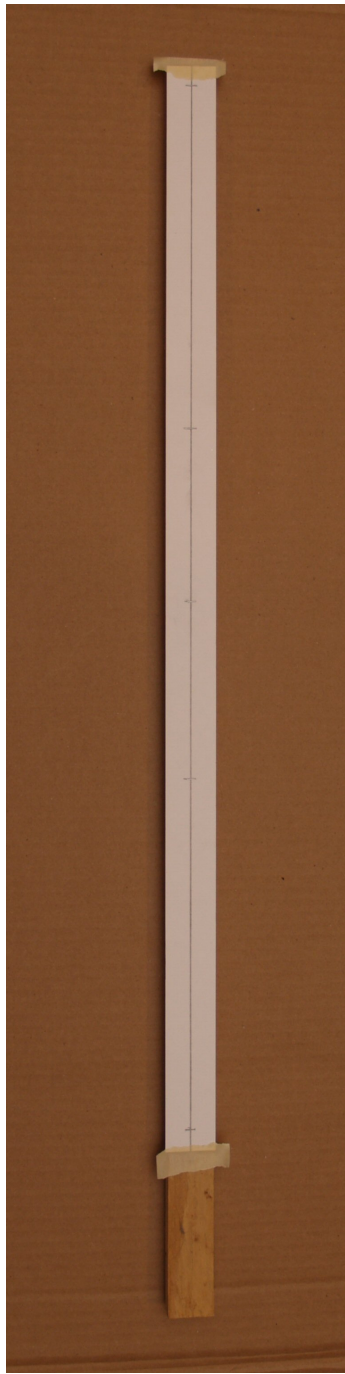


Figure 1

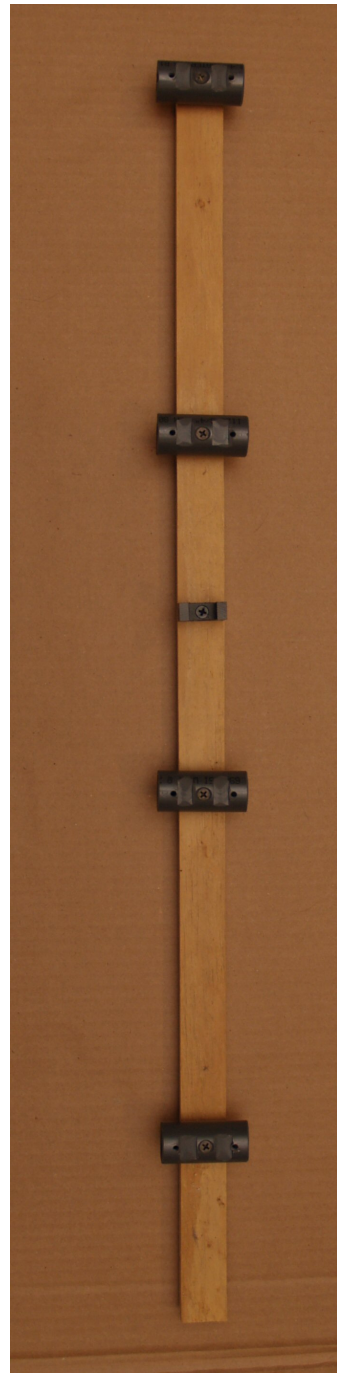


Figure 2

If you strip or cross thread any screw holes during installation just use a longer screw and put a nut on the back side.

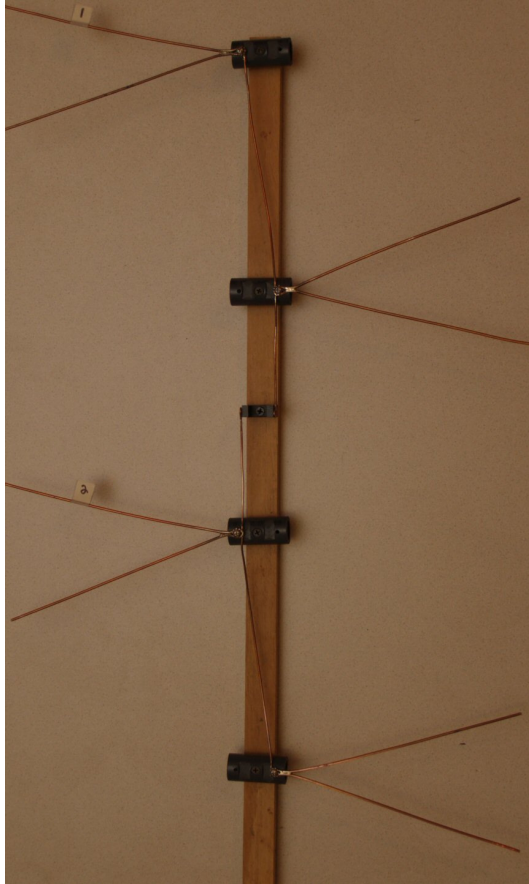


Figure 3

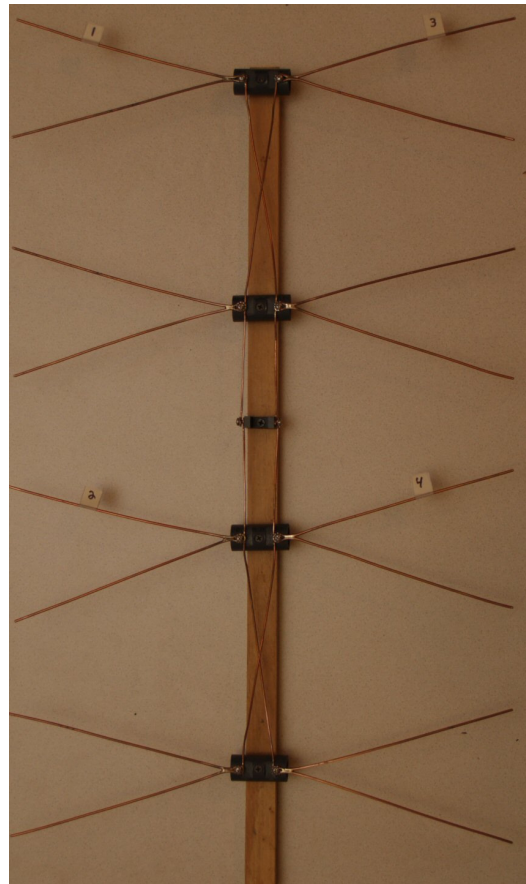


Figure 4