ILLUSTRATED DISH SETUP GUIDE

5-FOOT DISH

1. Take two dish panels and prop them up as shown so the edges can be joined.

2. A machine bolt, two washers, and a nut will be needed to make each of the following attachments.

3. Attach the edges with the bolts as shown. Use only the **two** outermost holes on the dish. Do not use the holes near the center of the dish. Do **not** tighten the screws yet.

4. Repeat for all four edges to form an assembled dish, with all screws untightened. When completed, each edge of the dish should look like this. Again, note that the bolts use the center and outermost holes.

5. Remove the four allen bolts which secure the feedhorn collar to the feedhorn. As you do this, make a mental note of how the parts are assembled (the feedhorn clamp will come apart when the screws are out).

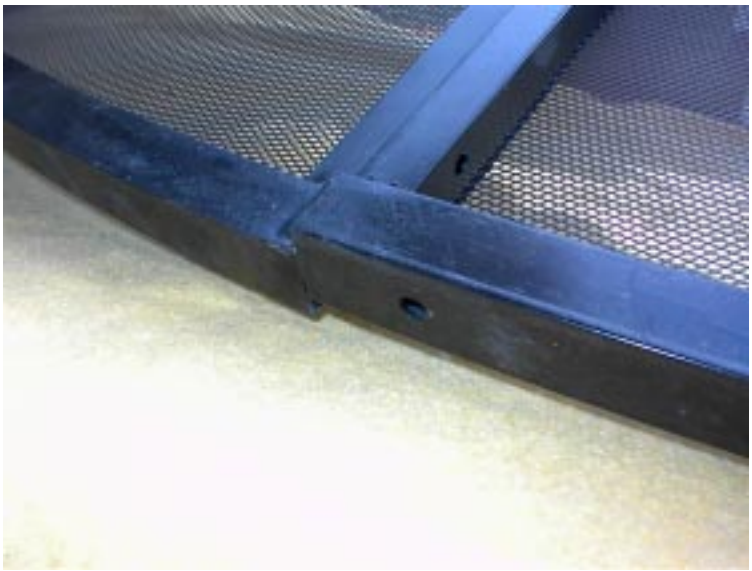
6. This illustration shows how the tabs on the feedhorn clamp overlap. The flat tab (not the threaded tab) always touches the plastic collar. It will need to be overlapped this way as you reassemble it in the following steps.

7. Hold the assembly as shown so that the plastic collar's edge points upward. Make sure the feedhorn clamp is overlapped as shown in the previous step. Now put the edge of one of the arms (one of the four long metal poles) between the feedhorn clamp and collar, as shown here, and make sure the arm points toward the hollow part of the feedhorn. Pass an allen bolt downward through the plastic collar, through the metal arm, and finally into the feedhorn clamp threads (described in the previous step). Tighten the allen bolt very gently to secure it; don't overtighten.

8. The attached arm looks like this.

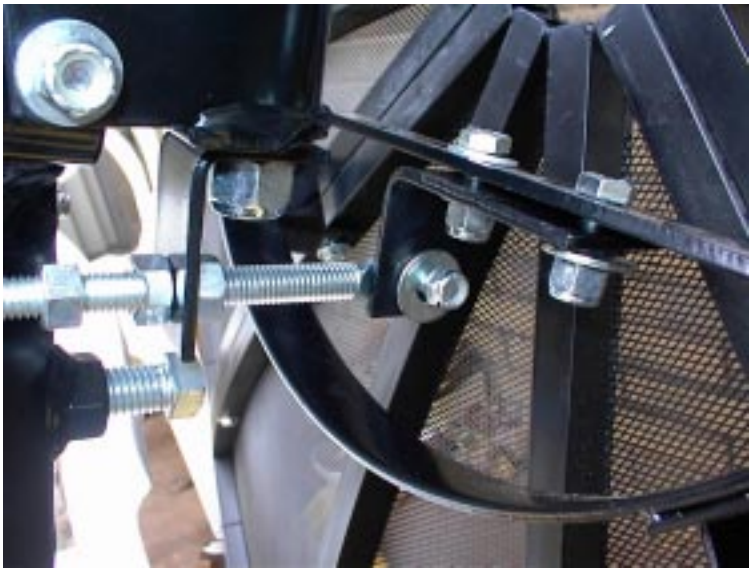
9. Attach the other arms. If you make the assembly stand on its arms like this, it will be much more convenient to handle.

10. Carefully turn the dish on its back. Attach the mount ring (the circular metal item) to the back of the dish, securing it with the large bolts. These bolts go into the innermost dish holes (the ones you were warned about not using in the first steps). Do not overtighten these bolts as it will damage the dish ribs.



11. Now tighten all dish bolts gently. Make sure that the dish edges are flush, not misaligned as shown here. Also keep in mind that overtightening the dish bolts will crush the ribs and damage the dish.

12. Attach the pole mount (being held in the photo) to the circular mount ring. First, position it as shown here. Insert the top tab of the pole mount into the two bolts on the mount ring, and secure loosely with the nuts. This will allow it to dangle loosely while you secure the rest of it.



13. The bottom part of the pole mount attaches as shown here. Attach the long declination bolt (seen here in the center) to the bracket on the mount ring with a short bolt. Secure tightly, then tighten the other two bolts in the previous step.

14. Using assistance, mount the pole mount to your pole and tighten the pole mount bolts so that the dish is secure. This process is not pictured in these illustrations.

Now attach the feedhorn to the dish as shown here. The arms attach to the dish using the short machine bolts.

15. Attach your cable to the LNA box on the feedhorn, and secure the cable to the feedhorn arms as shown here.

16. Attach the large feedhorn cover to the feedhorn. Secure with the plastic expander screws as shown here.

17. The polarity of the dish is changed by rotating the feedhorn (the large “coffee can”).

18. The polarity of this dish is “1 o’clock”, since the position of the LNA box approximates the hour hand of a clock when it reads 1 o’clock. You will want to adjust it in accordance with the position we suggest for optimum performance.

19. Once the polarity is set, secure it by passing a machine bolt through the feedhorn clamp as shown here. Tighten only enough to secure the feedhorn; overtightening it will damage it.

20. Congratulations! You’ve made it through the hardest part of the EMWIN data setup.