

# Set Up and Adjusting the FM-SOLO

## Parts Included:



Figure 1

- 1) Antenna Mounting Bracket; with Mounting Block, Antenna Whip and Antenna Extender (pre-installed)
- 2) Antenna Extender (pre-installed on the Antenna Mounting Bracket, item #1)
- 3) Two Antenna "Radials" with ball-ends

## Setup:

- 1) Carefully remove and identify all the parts from the package.
- 2) Screw the Antenna Mounting Block onto your mounting stand. The Antenna Mounting Block includes three of the most common stand-mount options;  $\frac{5}{8}$ -27,  $\frac{1}{4}$ -20, and  $\frac{3}{8}$ -16. See Figures 2 and 3 for an example of mounting on a stand.



Figure 2: Stand Thread Stand & Mounting Block Holes

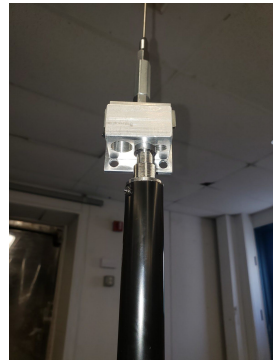


Figure 3: Mounting block screwed onto Stand (you supply)

- 3) Loosen the two wingnuts on the underside of the Mounting Bracket, so the square washers have some space beneath them.
- 4) Slide the blunt end of each Radial beneath the square washers - one from each side; they will overlap. The ball ends should be out at the far ends. See Figures 4 and 5 for detail.

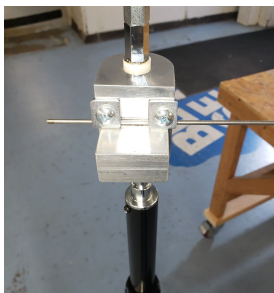


Figure 4: One Radial inserted beneath the Square Washers

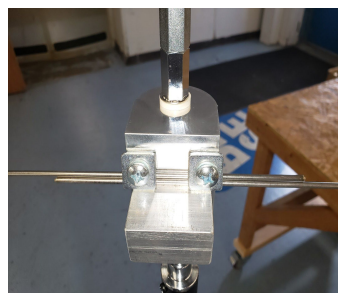


Figure 5: Both Radials (overlapped) beneath the Square Washers

- 5) Gently tighten the wingnuts to cinch down the Radials.
- 6) Connect one end of your BNC-terminated cable to the connector on the bottom of the bracket (see Figure 6 below). To do so, line up the two little slots on the cable end with the two little tabs on

the connector and push the cable end on. You'll feel a little spring resistance. Give the cable end a quarter turn to lock it in place. Connect the other end of your cable to the antenna output of your transmitter (an adapter may be needed if your transmitter does not have a BNC connector).

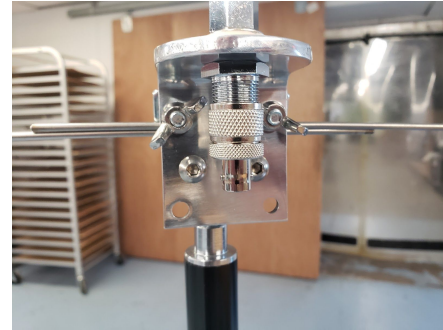


Figure 6: BNC Coupler for Cable connection

- 7) Adjust your stand height. Our recommended starting height puts the mounting block approximately 6 feet above the ground.

## Adjusting the FM-SOLO to Match Your Transmitter

In order to set up your equipment, you first need to find a blank spot on your FM radio. There are a number of ways to do this, including using web services, such as:

<https://radio-locator.com/cgi-bin/vacant?select=city&city=Ashland&state=MA>

You can select your own town and state, and then click "find unused frequencies" to see what works for you. It's always a good idea to tune an FM radio to the suggested frequencies to check and see that they are truly "blank spots" and which provides the best option. Then tune your transmitter to that frequency (see the instructions from your transmitter for tuning tips).

The RF Venue FM Antenna has **TWO** adjustable ranges: a **Low Range** that spans **88.1 MHz to 96.1 MHz** and a **High Range** that spans **94.1 MHz to 108.1 MHz**. Follow the instructions below, based on which range your selected FM frequency fits.

### LOW RANGE:

If the selected frequency is in the **Low Range** between **88.1 MHz and 96.1 MHz**:

- 1) Leave the pre-installed Antenna Extender in place. See Figure 7.

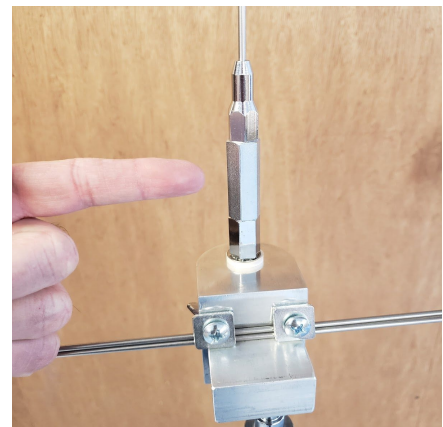


Figure 7: Antenna Extender, Installed

- 2) Loosen the wingnuts so the Radials can slide in and out.

