

Set Up and Adjusting the FM-CAR-MOUNT

Parts Included:

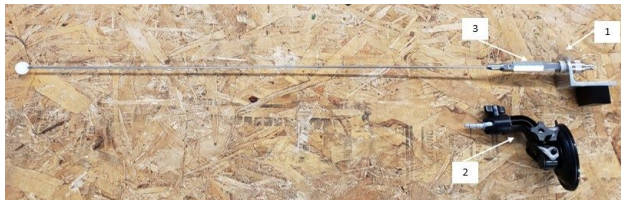


Figure 1: Package Contents

- 1) Antenna Mounting Bracket; with Mounting Block, Antenna Whip and Antenna Extender (pre-installed)
- 2) Suction-Cup Car Top Mount
- 3) Antenna Extender (pre-installed on the Antenna Mounting Bracket, item #1)

Setup:

- 1) Carefully remove and identify all the parts from the package.
- 2) Gently thread the 1/4"-20 mounting stud on the Car Mount into the matching hole on the Mounting Block. See Figures 2 and 3.



Figure 3: Aligning the Threaded Stud



Figure 4: Threaded Stud Fully Seated

- 3) Mount the Antenna on your car by placing the suction cup on a clean area of the roof (must be a metal roof). Slightly moistening the suction cup can provide a more secure grip. Position the flip-lever in the "up" position. See Figure 4.
- 4) Firmly press the flip-lever to the "down" position while holding the mount in place. See Figure 5. Reverse these steps to remove the antenna.



Figure 4: Suction Cup Mounting, Step 1 (flip-lever "up")



Figure 5: Suction Cup Mounting, Step 2 (flip-lever "down")

- 5) Adjust the rotating ball in the Suction-Cup Mount to ensure the antenna whip is vertical. Loosen the thumbscrew to move the ball, and tighten when it's properly oriented. See Figure 6.



Figure 6: Adjusting the Orientation

- 6) Connect one end of your BNC-terminated cable to the connector on the bottom of the bracket (see Figure 7). 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 7: BNC Coupler for Cable connection

Adjusting the FM-CAR-MOUNT

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 best 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 8.

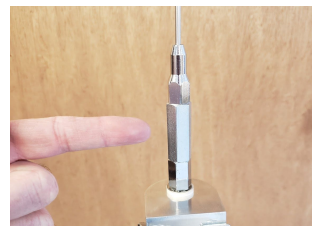


Figure 8: Antenna Extender, Installed

HIGH RANGE:

If the selected frequency is in the **High Range** between **94.1MHz and 108.1 MHz**:

- 1) REMOVE the Antenna Extender (keep for future use).
 - a) Unscrew the bullet-shaped ferrule that holds the Antenna.
 - b) Unscrew the Antenna Extender (the piece being held in the picture below) from the Mounting Bracket.
 - c) Screw the ferrule back into the Mounting Bracket.

This will shorten the total length of the Antenna Whip. See Figure 9

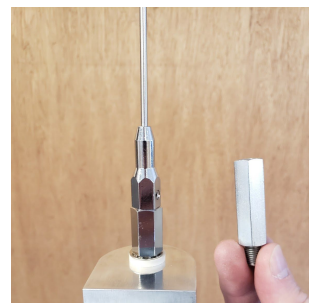


Figure 9: Antenna Extender Removed