

# Specifications



## RF Venue® FM Antenna Kit Portable FM Antenna Kit



	Frequency (MHz)	Radial Length (in)*
with Coupler	88.1 - 91.1	Fully Extended
	91.1 - 93.1	68
	93.1 - 94.9	64
	94.9 - 96.9	58
without Coupler	92.1 - 94.1	70
	94.1 - 96.1	66
	96.1 - 97.9	62
	97.9 - 100.1	58
	100.1 - 102.1	54
	102.1 - 105.1	50
	105.1 - 107.9+	46

The RF Venue FM Antenna Kit is a turnkey package for churches and live venues transitioning to “drive-in” style services and performances. Typical low power FM broadcasts suffer from signal dropouts and uneven coverage. With the FM Antenna Kit from RF Venue, these systems can dramatically improve signal quality for attendees listening to a live service or music performance in their cars. The FM Antenna Kit allows extension into the parking lot area to maintain best quality signal for car FM tuners.

Using an orthogonal ground plan with very low SWR over the FM band, the FM Antenna is rated for up to 100W of continuous operation and is easy to deploy. The low wind load antenna element and ground plane are perfectly suited for outdoor locations, and the kit includes a sandbag that clips to the base to keep the system in place. The antenna is weather resistant but not for permanent outdoor installations.

### Electrical

Radiation pattern .....omnidirectional  
Polarization ..... vertical  
Impedance ..... 50-75 Ohms  
Frequency Range ..... 88-108 MHz  
Typical VSWR.....1.5:1 (tunable)  
Typical Return Loss..... -17dB  
Max input power ..... 100W

### Physical

Dimensions (aprox. max with stand)..... 270x180x76cm /  
106x71x30in  
RF input connector..... BNC female  
Weight ..... 12 lbs / 5.5kg  
Includes .....High performance  
FM antenna, Adjustable radials, Telescoping antenna stand,  
Sandbag with clip, Antenna extension for tuning, 100' RG8X  
low loss coaxial cable

\*See setup guide for more info on tuning the antenna