



GMRS-BASE FIBERGLASS ANTENNA

P.N. GMRS-BASE

OVERVIEW

The GMRS-BASE antenna has been optimized for excellent performance on GMRS frequencies. No tuning is required!

With proper installation, the GMRS-BASE provides outstanding range and low VSWR readings (less than 1.5:1).

ANTENNA PLACEMENT

The best place for any antenna is as high as possible, above any obstructions. Buildings, walls, trees, etc., block radio signals and will limit transmit and receive range. Even a few feet of height difference can improve performance significantly.

ASSEMBLY

1. Put the nut and locking washer onto the ground plane radials **(1)**, then screw the three radials into the threaded holes on the metal antenna base **(2)** and hand-tighten. Secure radials by tightening locking nuts with wrench. Do not overtighten.
2. Secure the support tube **(3)** to mounting pole (not included) in desired location using brackets **(4)**, U-bolts **(5)**, locking washers, and locking nuts (locking washers and locking nuts are pre-affixed to U-bolts). Tighten them securely with a wrench. Adjust and secure brackets **(4)** to the support tube **(3)** with two of the supplied screws **(6)**.
3. Route antenna cable from the radio through the support tube **(3)** and screw the antenna cable connector (Male, PL-259) to the bottom of the antenna base **(3)** after removing the plastic cap.

Note: Reattach plastic cap when the antenna is disassembled to protect from dirt and debris.

4. Install the antenna onto the support tube **(3)**, align the threaded hole in the antenna base and the hole on the support tube **(7)** and secure with the largest of the supplied screws.

GAIN	6.5 dBd	CONNECTOR	SO-239
VSWR	Less than 1.5:1	OMNIDIRECTIONAL	5/8 Wave Design
FREQUENCY RANGE	462MHz (GMRS)	LENGTH	1.75 Meter
POLARIZATION	Vertical	WEIGHT	About 1 Kg
IMPEDANCE	50Ω	MAX. WIND	130 MPH (55m/sec) with proper mounting
POWER CAPACITY	200 Watts		

