

ANTENNA TIPS

Mounting your antenna properly determines the range of your two way radio. Radios transmit the most range with a ground plane and a 3db gain antenna. An aluminum roof with an antenna mounted in the center with no obstructions (roof rack, light bar) 18" in every direction provides the farthest range.

When those conditions are not possible (UTV, roof racks) a No Ground Plane antenna is recommended and can be exchanged for your 3db gain race antenna.

- **Roof Racks** - mount the antenna at the highest point of the rack and use a No Ground Plane antenna.
- **No Roof** - pick a spot in the middle of the car. The intersection of two tubes can also act as a ground plane. Mounting the antenna to a corner triangle tab and using a no ground plane antenna will work best.

Do not run radio coax and intercom helmet cables in the same wire loom. RF can bleed over when transmitting, putting noise into the system. Never run coax or power cables near MSD or ignition equipment. They create noise and if the coax is close to the MSD, the RF bleed when transmitting can turn the vehicle off!

When tie wrapping the coax to the frame, do not crush the coax. If your coax looks flattened, kinked, frayed, or worn, replace it.



**NO GROUND
PLANE ANTENNA**

**3dB GAIN
ANTENNA**



Questions on installing/tuning your antennas?? Call us!
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