

Your Mobile Communication Station

Making your vehicle a good working station that Moveable, Hear-able and Safe.

1. Radios:

- VHF/UHF, HT, HF, or Packet Station
- HT: Battery, Antenna adapter, Hand Mike & Speaker

2. Radio Mounting:

Rule # 1 The Radio should be mounted in such a way that it does not interfere with the driver's ability to safely operate the vehicle.

- Removable head and solid mounting of radio.
- No Velcro or double stick.
- Not near computer or logic modules, Look for hidden pockets.
- Mounts that will handle the radio weight. Remember, Air bag make missiles.
- What on the other side of the mounting screw. Air flow and cooling.
- Readable and access to controls. Coax and Power cable.
- Never use existing power outlets. Over Current = Overload.
- Any Accessories you might add. Speakers, Headphones, Digital

3. Grounding and Bonding, and Power:

- Direct run to Battery. Fuse both sides for protection.
- Power Block, Coax leg. THHN, Weather rated. Cable Ties
- Min # of Connection, Anderson Connectors, Amperage. OHM LAW
- Stay away from electronics modules. Consider 2nd Battery and mounting.
- Ground to Body-then to Frame. Star Washers.
- Bonds to major planes and frame. Wider and flat. Star washers.

4. Antenna and Planes.

- The very best you can afford. Choose the Best Mount.
- The most metal under the antenna. Look at planes of metal.
- Where the Beef? Magnetic Vs Mount. Connector Vs open
- Glass mounts, Passivated Glass. Trunk mount, Clips Mounts
- HF antenna, Screwdriver, Small Coils, Ham Sticks. Mutli Bands
- VHF- UHF Types. Shorter less effective. Reflectively, Gain Game
- Bond the mount if not grounded. Connection sealant.
- Coax path, Avoid Electronics Modules, Grommets.
- Coax. Max braiding, Non solid core. Protection if needed.

For more info go to: ARRL.org K0BG.com EHAM.com DXZone.com