This VHF antenna is pre-tuned at the factory. It provides excellent performance in a wide variety of conditions and does not require tuning in most applications.

**SPECS:**

- Freq: 136-174 MHz
- Pre-Tuned to: 154 MHz*
- Gain: 2.4dBi
- Mount Type: NMO
- Max Power: 200 Watts
- Whip Length (@154MHz): 39.8”
- Whip Material: Stainless Steel
- Non-Ground Plane

If a center frequency other than 154MHz is desired, use the guide below to determine the approximate whip length. Note that this chart is a guide-only. Antenna tuning should always be performed with an SWR Meter (PN: SWR-METER-KIT). If tuning to a frequency lower than 154MHz, a longer whip may be required.

### Whip Length Guide

<table>
<thead>
<tr>
<th>FREQ. (MHz)</th>
<th>LENGTH (mm)</th>
<th>LENGTH (In)</th>
</tr>
</thead>
<tbody>
<tr>
<td>142</td>
<td>1010</td>
<td>39.75</td>
</tr>
<tr>
<td>154</td>
<td>910</td>
<td>35.8</td>
</tr>
<tr>
<td>158</td>
<td>870</td>
<td>34.25</td>
</tr>
<tr>
<td>164</td>
<td>790</td>
<td>31.1</td>
</tr>
</tbody>
</table>

Although this antenna does not require a ground plane (such as a metal roof), mounting it on a ground plane will always result in the best performance. See mounting recommendations on page 2.

**RECOMMENDED ACCESSORIES:**

- #SWR-METER-KIT (sold separately)
- #CRIMP-TOOL (sold separately)
- #STRIP-TOOL (sold separately)
- #VHF-1/2-WHIP (sold separately)
Ideal placement for maximum radio range:

- as high as possible
- in the center of a metal roof

Obstructions block your signal!
- light bars, racks, air scoops, GPS antennas, etc.

NEVER COIL OR BUNDLE EXCESS ANTENNA CABLE
If cable is too long, have it shortened by a qualified technician or route it so excess length is used up.