The Super-Radiator GPS system is a complete external hard mount high gain GPS antenna and indoor re-radiating passive Helix type antenna. Simply affix the permanent screw mount GPS antenna outside, attach the smaller re-radiating antenna indoors with either screw mount or the included suction cups and plug it into the included 40 meter signal cable. The included reverse protected regulator AC adapter powers both units. GPS signals can now be received 5 to 10 meters from the re-radiating antenna - This allows GPS devices to be used inside virtually any enclosed area.

**Warning:** Be sure the re-radiating antenna does not have a line of sight to the GPS antenna as this can cause a feedback loop.

**Features**
- Re-radiating distance of 5m to 10m
- Independent power source
- Multiple users can share one signal
- Re-transmits GPS signals to an otherwise unreachable location

**External Antenna Specifications**
- $T_A$: 25°C
- Frequency: L1 band 1.075 to 1.575GHz
- Bandwidth: 50MHz
- Amp Gain: 28dB
- Noise Figure: 1.3dB
- Output SWR: 2.0:1
- DC Input: 4.5V to 5.5V DC

**Re-Radiating Antenna Specifications**
- $T_A$: 25°C
- Frequency: L1 Band 1.575GHz
- Bandwidth: 20MHz
- Impedance: 50ohm
- Gain: 30dB
- Noise Figure: 2.0dB
- Output SWR: 1.6:1
- Element: Helix type
- Polarization: RHCP
- RF Out - at 1dB Gain Compression: -2.0dBm
- DC Input: 6V to 30V DC
- Power Consumption: 55mA

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**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRI-M</td>
<td>Super-Radiator</td>
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<tr>
<td></td>
<td>2 meter Re-Radiating Hard Mount GPS Antenna</td>
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</tbody>
</table>

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**Tri-M Systems and Engineering**

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