ALTERNATIVE MOUNT TYPE

HP-AC/U angular connector:
Frequency Range: from DC to 500 MHz
Overall Size: Ø 41 mm
Mounting Hole: Ø 16 mm
Materials: Brass nichel plated, PTFE insulator, Gold plated pin
Cable: 5m RG 58 C/U MIL-C-17F / FME-female
Adaptor: FME-male / UHF-male (PL259)
Antenna connection: UHF-female

P/N 2510805.00 HP-AC/U

SG-CB/VHF
Dual-Band Mobile Antenna 27 / 145 MHz

HP MAG H 12 PL:
Frequency Range: from DC to 500 MHz
Overall Size: Ø 92 mm
Materials: Ferrite magnet, Chromed Brass, Nylon, PTFE insulator, Gold plated pin
Cable: 3.6 m RG 58 C/U MIL-C-17F / FME-female
Adaptor: FME-male / UHF-male (PL259)
Antenna connection: UHF-female

P/N 2511802.05 HP MAG H 12 PL

HP MAG 125 PL:
Frequency Range: from DC to 500 MHz
Overall Size: Ø 127 mm
Materials: Ferrite magnet, Chromed Brass, Nylon, PTFE insulator, Gold plated pin
Cable: 3.6 m RG 58 C/U MIL-C-17F / FME-female
Adaptor: FME-male / UHF-male (PL259)
Antenna connection: UHF-female

P/N 2511202.05 HP MAG 125 PL

Installation Manual
**DESCRIPTION**

Multi-band vehicular antenna working on 27 MHz and 145 MHz. It has been made with the very best materials to guarantee the maximum strength and the best performance. The whip, made of 17/7 PH stainless steel, incorporate a custom inclination system that allows it to be tilted to 90° without using keys or tools. Also a particular attention has been paid to the UHF-male antenna connector with o goldplated center pin, a PTFE insulator and a silicon rubber gasket for a perfect waterproofing.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Electrical Data</th>
<th>SG-CB/VHF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>HF: 1/4λ, Central Loaded; VHF: 1/4 λ</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>HF: 26.45 - 27.55 MHz @ SWR ≤ 2; VHF: 139 - 151 MHz @ SWR ≤ 2</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 Ω</td>
</tr>
<tr>
<td>Radiation (H-plane)</td>
<td>360° Omnidirectional</td>
</tr>
<tr>
<td>Polarization</td>
<td>Linear Vertical</td>
</tr>
<tr>
<td>Gain</td>
<td>0 dB ref. to 3/4 whip</td>
</tr>
<tr>
<td>Max Power (CW) @30°C</td>
<td>HF: 120 Watts, VHF: 200 Watts</td>
</tr>
<tr>
<td>Connector</td>
<td>UHF-male</td>
</tr>
</tbody>
</table>

**Mechanical Data**

- Materials: Stainless steel 17/7 PH, Nylon, Chromed Brass
- Height (approx.): 1355 mm
- Weight (approx.): 830 g

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**ADJUSTMENT**: all SIRIO HP Antennas are factory adjusted and no additional tuning is usually required. However, if the center frequency needs to be changed, please follow these simple directions:
1. Release the allen-screws on the whip using the supplied key.
2. Move the whip in or out as needed to obtain a low SWR at your preferred frequency range.
3. After tuning, re-tighten the allen-screws to lock the whip.

**TILTING**: all SIRIO HP Antennas have an inclination system that allows the 90° tilting without use keys or special tools.

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**TYPICAL S.W.R. RESPONSE**

- **HF**: 26.45 - 27.55 MHz band
- **VHF**: 139 - 151 MHz band

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**SIRIO antenne**

HI-QUALITY ANTENNAS MADE IN ITALY