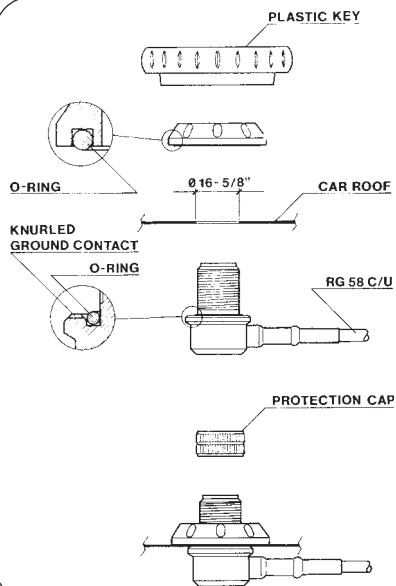


ALTERNATIVE MOUNT TYPE



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, Teflon 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



HP MAG H 12 PL:

Frequency Range: from DC to 500 MHz
 Overall Size: Ø 92 mm
 Materials: Chromed Brass, Nylon, Teflon 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



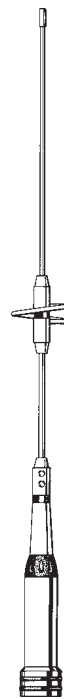
HP MAG 125 PL:

Frequency Range: from DC to 500 MHz
 Overall Size: Ø 127 mm
 Materials: Chromed Brass, Nylon, Teflon i 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

HP 2070 HP 2070 R HP 2070 H

Dual Band Mobile Antennas 2 m / 70 cm Bands



HP 2070



HP 2070 R



HP 2070 H

Installation Manual

DESCRIPTION

Dual-band vehicular antenna working on 2m and 70 cm bands. The very best materials have been used to guarantee the maximum strength and the best performance. The whip, made of 17/7 PH stainless steel, has an inclination system that allows the 90° tilting without using keys or tools. Also a particular attention has been paid to the UHF-male connector with a goldplated center pin, "Teflon" insulator and silicone rubber gasket for a perfect waterproofing.

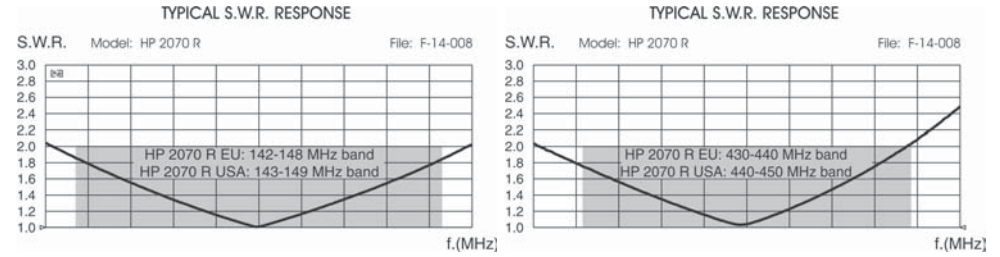
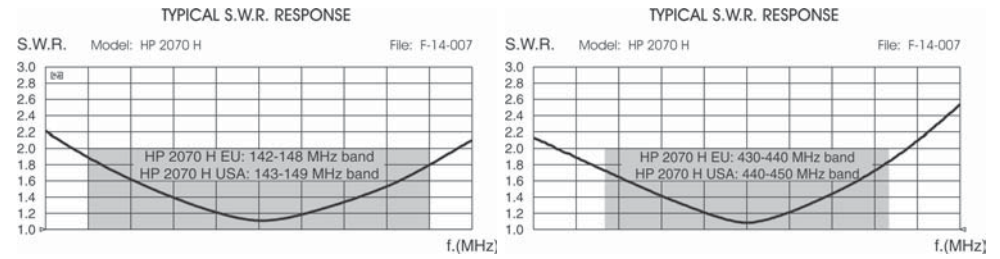
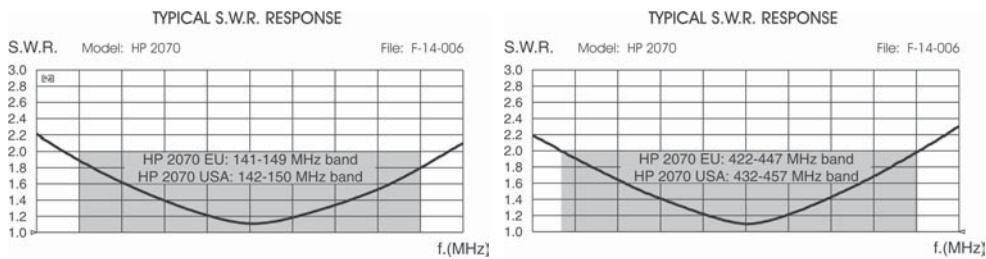
SPECIFICATIONS

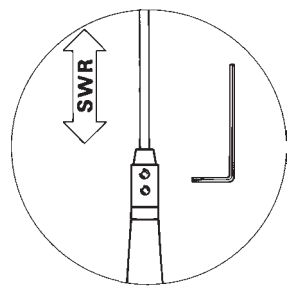
Electrical Data

Type	: HP 2070	VHF 1/4 λ , UHF 5/8 λ
Frequency Range	: HP 2070 R, HP 2070 H	VHF 1/2 λ , UHF 2 x 5/8 λ
	: HP 2070	VHF: 141-149 MHz, UHF: 422-447 MHz
	: HP 2070 USA	VHF: 142-150 MHz, UHF: 432-457 MHz
	: HP 2070 R, HP 2070 H	VHF: 142-148 MHz, UHF: 430-440 MHz
	: HP 2070 R USA, H USA	VHF: 143-149 MHz, UHF: 440-450 MHz @ SWR \leq 2
Impedance	: 50 Ω	
Radiation (H-plane)	: 360° Omnidirectional	
Polarization	: Vertical	
Gain	: HP 2070	VHF 0 dB, UHF 2 dB ref. to $\lambda/4$ whip
	: HP 2070 R	VHF 0.6 dB, UHF 4.6 dB ref. to $\lambda/4$ whip
	: HP 2070 H	VHF 0.7 dB, UHF 4.4 dB ref. to $\lambda/4$ whip
Max Power	: VHF 150 Watts, UHF 100 Watts (CW) @ 30° C	
Grounding Protection:	All metal parts are DC-grounded. HP 2070: the inner conductor shows a DC-short. HP 2070 H,R: the inner conductor is coupled capacitively	
Connector type	: UHF-male (PL 259)	

Mechanical Data

Materials	: Stainless Steel 17/7 PH, Nylon, Chromed Brass		
Height (approx.)	: HP 2070 / HP 2070 USA	445 mm / 442 mm	
	: HP 2070 R / HP 2070 R USA	1000 mm / 997 mm	
	: HP 2070 H / HP 2070 H USA	1080 mm / 1065 mm	
Weight (approx.)	: 300 gr		

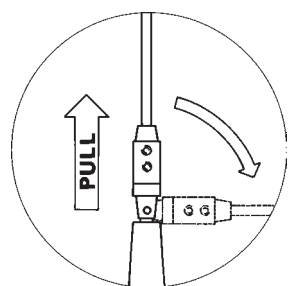





ADJUSTMENT: all SIRIO HP Antennas are factory adjusted and no additional tuning is usually required. However, if the center frequency needs to be changed, please follow these simple directions:

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.

ADJUSTMENT



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



TILTING