

STEALTH 9360

AUTOTUNE WHIP MOBILE HF ANTENNA

9360



KEY FEATURES

- Continuous 1.6 to 30 MHz coverage
- 125W CW/DATA, 200W PEP SSB
- 0.35 sec Fast Automatic Tuning
- Sensitive to weakest signals over entire HF band
- Highest radiation efficiency in its class
- Compatible or adaptive to all existing HF transceivers
- Supports Automatic Link Establishment (ALE)
- Durable and Submersible

Applications

The Stealth 9360 ultrafast Automatic Tuning Whip Mobile HF Antennas provides for continuous frequency coverage throughout the HF band. The rated 125W PEP RF power handling capability is ideal for data and voice communications. It is intended for vehicular mounting to meet the needs of our worldwide customers in the following markets:

Humanitarian
Border Patrol
National Parks

Military & Police
Private Security
Hunting and Forestry

Distress Rescue
Mining, Oil & Gas
Radio Enthusiasts

The 9360 antenna is member of 9300-series Automatic Tuning Whip HF Antenna family design based on an extensive evaluation of customer feedback on currently available mobile HF whip antennas. This resulted in adoption of innovative methods and techniques for achieving many features unheard of in other short whip type antennas. Problems traditionally related with low radiation efficiency, high VSWR, unreliable or slow tuning have been eliminated in the type 9360 antennas.

Special Features

Stealth 9360 Antennas have been designed for flexible interfacing with any HF transceiver. With the supplied CPS9300 software and USB cable the 9360 Antenna can easily be PC-programmed to operate with any existing HF transceivers, including those not provided with any specific interface. Software aided parameter configuration and diagnostic tools allows for automatic antenna adaptation to vehicle metalwork and other surrounding conditions proved by printable proof of performance report of each individual HF mobile installation. The 9360 is currently the only antenna system to support both traditional and modern architecture transceivers such as Software Defined Radio (SDR).

High Performance

Lightweight and virtually immune to temperature variations, the tuning mechanism kinematics and high-Q RF-network of the 9360 Antenna offer substantially longer MTBF of the system, fast and consistently stable automatic tuning combined with outstanding transmit and receive performance.

Rugged Design

The Stealth 9360 Auto Tuning Mobile HF whip Antenna is the high manufacturing culture and state-of-the-art technology device ensuring consistency of parts replication and automated Assembly Quality Control guaranteeing precise functioning of the system. Its construction is engineered to be impervious to water and dust using latest generation of materials to withstand harshest environmental conditions and ensure reliable operation in all types of terrain.

GENERAL SPECIFICATIONS

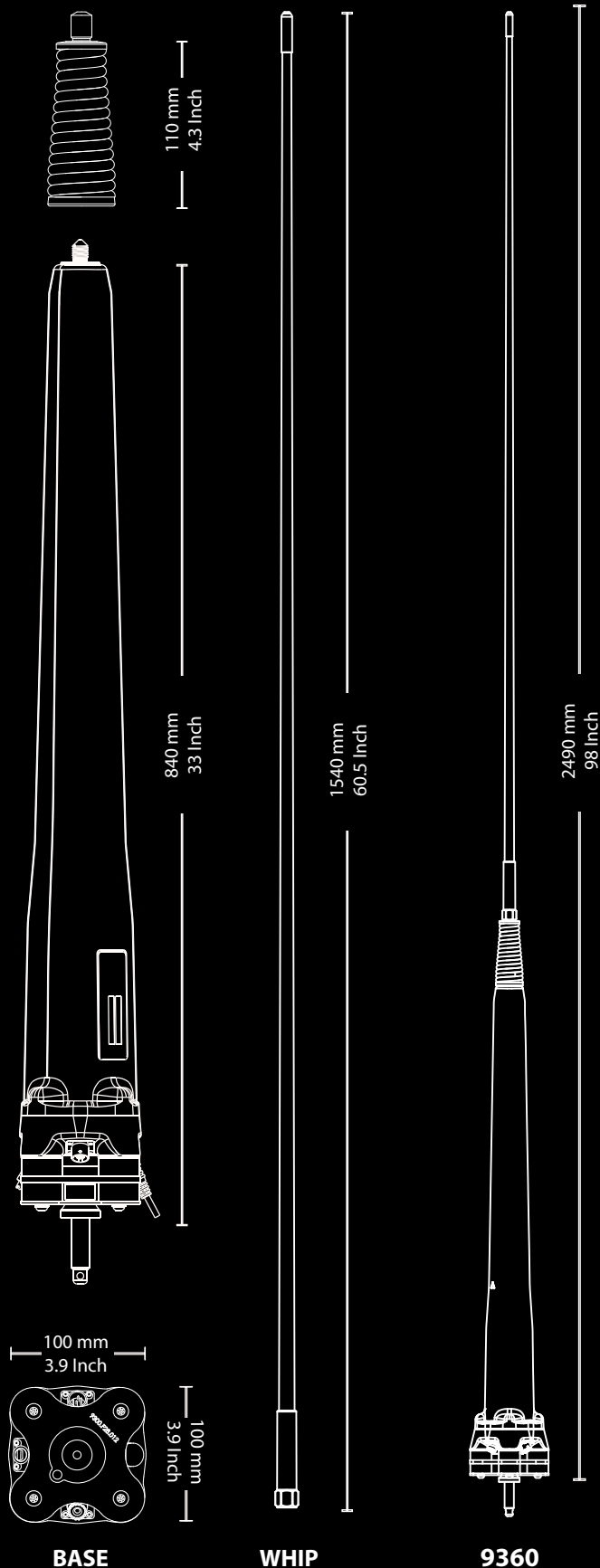
Frequency Range	1.6 to 30MHz Transmit, 100KHz-54MHz Receive
Power Rating	125W PEP CW/data, 200W PEP SSB Voice
VSWR	Typical $\leq 1.3:1$, 50 Ω
Tuning Speed	New channel ≤ 1 sec average, memory tune $\leq 0.35s$
Memory Channels	400 non-linear memory allocation
Tune Power	External 3-30W PEP (3-200W in Smart Tune)
DC Operating Range	11-15VDC, 13.6VDC nominal from transceiver or battery
Power Consumption	1.6 A tuning , 250mA static
Integral Scan Amplifier	Gain 3 dB, noise $\leq 10dB$ above thermal, IP ³ $\geq 26dBm$
Interface	UHF socket/MIL-DTL5015, 7-pin/ USB (MIL spec), TTL and serial via menu settings
Protection	High VSWR, Open/short Circuit, Over Voltage/ Temperature, Induced RF Power
Operating Temperature Range	-40°C to +70°C
Environmental	MIL-STD-810G Dust and Vibration, IP 68 Immersion
EMC	MIL-STD-461F, EN 300 373
Mounting	M16x45mm stud
Weight and Dimensions	5.5 kg , 100x100x840(2490)mm
Color	Black

STANDARD PACKAGE

■ 9300.B36.000	Antenna Base Unit
■ 9300.B35.005	M14F Fiberglass Whip
■ 9300.M28.015	M14FxM14M Spring
■ 9300.S51.060	CPS9300 Installation CD
■ 9300.D50.001	Quick Installation Guide
■ 9300.B17.060	Control Cable, 5.5m
■ 9300.B17.061	Coaxial Cable, 6m
■ 9300.B17.005	Universal (default) Adaptor Cable 0.5m*
■ 9300.B17.071	USB Cable, 1.5m

OPTIONAL ACCESSORIES

* Proprietary Plug Adaptor Cable can be included on ordering.
Wide range of optional installation accessories is available in separate catalogue.



Stealth Telecom FZC

P.O. Box: 7755, Sharjah, UAE

Tel: +971 6 5575586

Fax: +971 6 5575481

e-mail: sales@stealth-tele.com

