

STEALTH 9310

AUTOTUNE WHIP MOBILE HF ANTENNA

9310



MILITARY TECHNOLOGY FOR HAMs

KEY FEATURES

- Continuous 1.8 to 30 MHz coverage
- 125W CW/DATA, 200W PEP SSB
- 0.5 sec Fast Automatic Tuning
- Sensitive to weakest signals over entire HF band
- Highest radiation efficiency in it's class
- Compatible or adaptive to all existing HF transceivers
- Online Firmware upgrade
- Durable and Submersible



AUTOTUNE WHIP ANTENNA
MODEL 9310

P/N 9300.B36.010

S/N 28881273

www.stealth-tele.com

VARIOUS PATENTS PENDING
9389, 939, 983



Applications

The Stealth 9310 antenna is the budget version of the 9300-series Automatic Tuning Whip HF Antenna family designed for military and professional applications. **Stealth 9310 is devoted for HAM enthusiasts almost in full mother design capabilities inheriting all its in-built mechanical durability, operational comfort and reliability for a fraction of cost. Finally, a HAM-radio operator can:**

- Easily install and setup HF-antenna without custom fit of loading L and C. Forget of ancillary boxes with Up/Down buttons and 30sec tuning to maximum noise.
- Tune from ANY previous to ANY new frequency in entire 160-10M HF stretch in half of second using just PTT and enjoy 70 mph ride safely while making QSOs.
- Forget old dilemma whether to Wash or Not to Wash. The new one is whether to Break or Not to Break the Car Wash.
- Cross river and -----if sank up to the hood (make sure radio mounted accordingly in prior).
- Just set it and forget it. Browse your radio like having broadband HF-dipole and Press To Talk.

The Stealth 9310 self-contained ultrafast Automatic Tuning Whip Mobile HF Antennas provides for continuous frequency coverage throughout the HF band with up to 200W PEP RF power handling in SSB voice. Low radiation efficiency, high VSWR and unreliable or slow tuning have been eliminated in the type 9310 antennas.

Breakthrough in HAM Antennas

Stealth 9310 Antennas have been designed for flexible interfacing with any HF transceiver. With the supplied CPS9300 software and USB cable the 9310 Antenna can easily be PC-programmed to operate with any amateur HF transceivers, including those not provided with any specific interface in Smart Tune selected. Software aided parameter configuration and diagnostic tools allow for automatic antenna adaptation to any vehicle metalwork and other surrounding conditions proved by printable Proof of Performance of every individual HF mobile installation. The 9310 is currently the only antenna system to support both traditional and modern SDR transceivers ready for on-line upgrades.

High performance

Immune to temperature variations, the tuning mechanism kinematics and low loss loading inductor of the 9360 Antenna offer 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 state-of the-art technology device crafted within high manufacturing culture environment ensuring consistency of parts replication guaranteeing fast and precise functioning of the system. Its construction is engineered to be impervious to water and dust using premium quality materials to withstand harshest environmental conditions and ensure long term reliable operation.

GENERAL SPECIFICATIONS

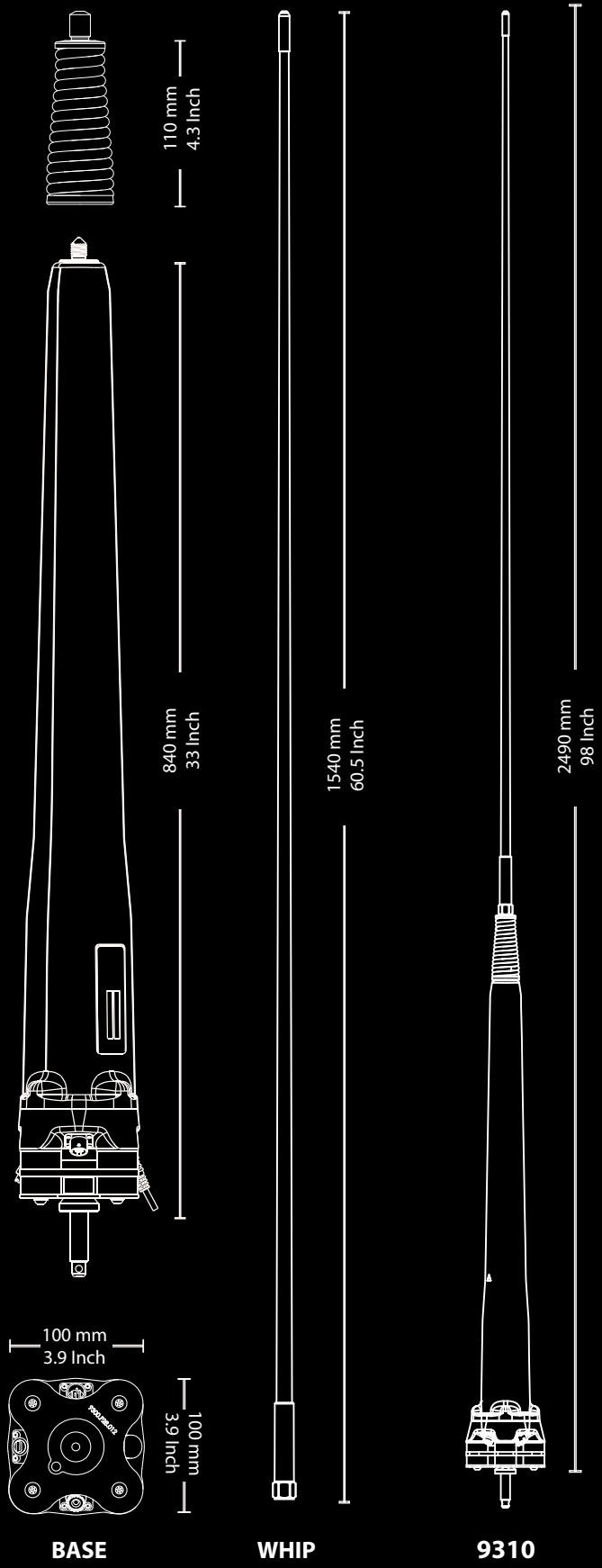
Frequency Range	1.8 to 30MHz TX/RX
Power Rating	125W PEP CW/data, 200W PEP SSB Voice
VSWR	Typical $\leq 1.3:1$, 50 Ω
Tuning Speed	New channel ≤ 1 sec average, memory tune $\leq 0.5s$
Tune Power	External 3-30W PEP (3-200W PEP CW in Smart Tune)
DC Operating Range	11-15VDC, 13.6VDC nominal from transceiver or battery
Power Consumption	1.6 A tuning , 250mA static
Interface	UHF socket/MIL-DTL5015, 7-pin/ USB (MIL spec), TTL and serial via CPS9300 settings
Protection	High VSWR, Open/short Circuit, Over Voltage/ Temperature, Induced RF Power
Operating Temperature Range	-30°C to +50°C
Environmental	Meets MIL-STD-810G Dust, IP 68 Immersion
Electro Magnetic Compatibility	EN 300 373
Mounting	M16x45mm stud
Weight and Dimensions	5.4 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.



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