# SG-307

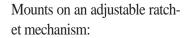
# FOR MOBILE HF AND VHF USE

# 7 Ft. MARINE AND MOBILE ANTENNA (Cat.#55-28)

(coupler required\*)

The SG-307 is designed and built to operate in rough terrain and extreme climactic conditions. The SG-307 antenna is a light-weight and low-cost mobile antenna for operation between 1.8 to 60 MHz.

At only seven feet in length overall, the SG-307 is mounted on a sturdy professional weatherproof rubber encapsulated stainless steel spring.



- the base adjusts for the best attachment to the vehicle.
- the antenna ratchet permits orienting the whip from vertical to horizontal.

The SG-307 stands up to the wind loading at highway speeds, as well as to rain, ice, and the occasional tree branch.

### **SG-307**

- Heavy duty rubber encapsulated spring mount
- Adjustable 4-way ratchets
- Heavy Duty Whip Antenna

# SG-231 Smartuner (recommended)

- Waterproof for all weather
- 1.6 to 60 MHz range
- 3 to 100 watts
- Built-in test equipment indicator



SG-307 stainless steel ratchet mount with rubber encapsulated spring mount





\*Antenna must be used with an antenna coupler such as the SG-231 SGC, Inc., P.O. Box 3526, Bellevue, WA 98009 USA Tel: 425-746-6310 or 1-800-259-7331 Fax: 425-746-6384 E-mail: SGCMKTG@aol.com Web site: http://www.sgcworld.com SGC reserves the right to modify specifications without notice.

# SG-231 Smartuner

Use the SG-231 to automatically tune just about any antenna (7 feet minimum) to HF/VHF transceivers from 1 to 60 MHz. It automatically evaluates and switches over

4 million possible combinations of input capacitance, output capacitance, and series inductance to ensure a perfect match between the transceiver and the antenna. The SG-231



Smartuner remembers the chosen frequency and tuning values and will automatically reselect these values—in less than 10 ms—each time you transmit on that frequency. It operates with any HF and VHF transceiver. (Cat. #54-17)

# **QMS**

#### (Universal Quick Mount HF Antenna System)

Mounting coupler and antenna outside the vehicle reduces engine noise, interference and eliminates feed loss. It can be quickly installed and easily moved from vehicle to vehicle. No drilling or vehicle modifications are required. Industrial suction cups secure the QMS-7 to the vehicle, without damaging the finish, and high strength straps and buckles complete the job and give structural integrity. (Cat. #55-49)



# No Compromise Communications

### **SG-307 Specifications**

**HF Frequency Ranges:** 1.8 to 60MHz

**Maximum Output** 

**Power:** 150 watts PEP voice or

CW

**Dual Frequency** 

**Resonance:** at 8 and 25 MHz **Radiation:** Omnidirectional

**Mount:** 90° stainless steel base

mount rotator and

threaded male stud 3/8-24

**Base:** Heavy duty stainless

steel base spring with rubber boot, Supplied with high voltage isolated mounting base size

10x7x.5 inches

**Feed-through:** high voltage wall feed-

through bushing (hole =

.890 in.)

**Cable:** 3ft. high voltage wire,

one end terminated by a

round lug

Catalog Number: 55-28

Antenna must be used with an antenna coupler such as the SG-231

## **SG-231 Specifications**

Frequency Range: 1 to 60MHz

**Power Input** 

**Range:** 3 to 100 watts (PEP)

**Input Impedence** 

Range: 45 to 55ohms

VSWR: Typical - less than 1.4:1

DC Input

**Requirement:** +13.6VDC

**Input Current:** Average-.9 amps

Random Set

**Times:** Typical- less than

4 seconds

**Recurrent Set** 

**Times:** Typical-less than 10

milliseconds

Non-volatile Memory

Addresses: 170 BINS

**Size Overall:** 11.5D x 9.5W x 1.7H

29.2D x 24.1W x 4.32 H centimeters

Weight: 3.8 pounds (1.6 kilos)

Case Construction: Plastic ABS weatherproof

Catalog Number: case 54-17

#### 1-800-259-7331

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