

# SG-307

*FOR MOBILE  
HF AND VHF  
USE*

## 7 Ft. MARINE AND MOBILE ANTENNA (coupler required\*)

(Cat.#55-28)

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.



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

Mounts on an adjustable ratchet mechanism:

- 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**



No Compromise Communications

\*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)



# SGC<sup>®</sup>

No Compromise Communications

## SG-307 Specifications

<b>HF Frequency Ranges:</b>	1.8 to 60MHz
<b>Maximum Output Power:</b>	150 watts PEP voice or CW
<b>Dual Frequency Resonance:</b>	at 8 and 25 MHz
<b>Radiation:</b>	Omnidirectional
<b>Mount:</b>	90° stainless steel base mount rotator and threaded male stud 3/8-24
<b>Base:</b>	Heavy duty stainless steel base spring with rubber boot, Supplied with high voltage isolated mounting base size 10x7x.5 inches
<b>Feed-through:</b>	high voltage wall feed-through bushing (hole = .890 in.)
<b>Cable:</b>	3ft. high voltage wire, one end terminated by a round lug
<b>Catalog Number:</b>	55-28

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## SG-231 Specifications

<b>Frequency Range:</b>	1 to 60MHz
<b>Power Input Range:</b>	3 to 100 watts (PEP)
<b>Input Impedance Range:</b>	45 to 55ohms
<b>VSWR:</b>	Typical - less than 1.4:1
<b>DC Input Requirement:</b>	+13.6VDC
<b>Input Current:</b>	Average-.9 amps
<b>Random Set Times:</b>	Typical- less than 4 seconds
<b>Recurrent Set Times:</b>	Typical-less than 10 milliseconds
<b>Non-volatile Memory Addresses:</b>	170 BINS
<b>Size Overall:</b>	11.5D x 9.5W x 1.7H 29.2D x 24.1W x 4.32 H centimeters
<b>Weight:</b>	3.8 pounds (1.6 kilos)
<b>Case Construction:</b>	Plastic ABS weatherproof case
<b>Catalog Number:</b>	54-17

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