

SG-237 Smartuner™

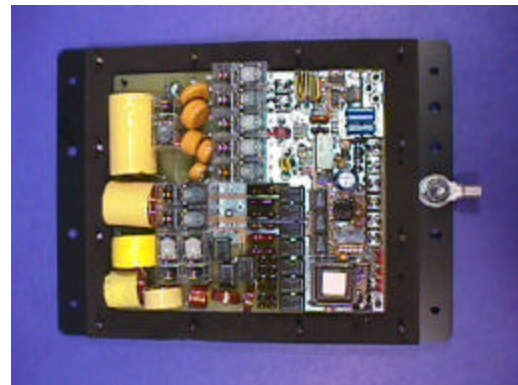
Cat. #54-18

Worlds Smallest High Performance Antenna Coupler Available as a Finished Product or a PCB



The SG-237 is the perfect tuner for marine, aviation, commercial and radio amateur applications. This product is designed with high density surface mount components on a 4 layer PCB, providing high efficiency, reliability and performance.

The PCB is mounted on a sturdy chassis plate which provides an excellent electrical and RF ground system. The case is fully waterproof at immersion and completely protects the unit.*



For use with any of the following antennas:

- Whip
- Backstay (marine, sail)
- Dipole centerfed
- Dipole with feedline
- Loop (small) 2 x 2 ft. multi-turn
- Loop (large) 10 ft. and up single turn
- Longwire

Features:

- 100 watts
- 1.8 to 60 MHz
- PCB 5.5" x 6" x 1.2"

Call us Toll-Free
1-800-259-7331



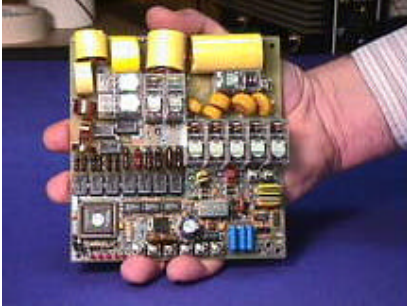
No Compromise
Communications

The SGC Building, 13737 SE 26th St.
P.O. Box 3526, Bellevue, WA 98009 USA
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E-mail: sgc@sgcworld.com Web: www.sgcworld.com



Also available:
The SG-237 PCB
&
The SG-237Porta

SG-237 PCB



Cat. #54-19

For use in creating your own coupler system enclosure!



SG-237Porta
Cat. #54-20

For quick mobile set-up or base operation.

Light, agile, portable and efficient
(Average input current 300ma)

For any HF SSB operating 1.8 to 60 MHz



SG-237Porta supplied with ground radials.

SG-237 Specifications

- Frequency Ranges:** 1.8 to 60 MHz
- Power Input Range:** 3 to 100 watts (PEP) - 40 watts max on CW
- Input Impedance Range:** 45 to 55 ohms
- VSWR:** Typically less than 1.4:1
- DC Input Requirement:** +13.8VDC
- DC Operating Range:** 10.5 to 18 VDC
- Input Current:** Average 300 milli amps
- Random Set Times:** Typical—less than 2 seconds
- Recurrent Set Times:** Typical— less than 10 milliseconds
- Memory Capacity:** 170 locations
- Antenna Length:** Minimum length of 7 ft. - 3.5 to 60 MHz
Minimum length of 23ft. -1.8 to 60 MHz
- Installation:** Any position
- Operating Temperature:** -35° to +70°C
- Environmental:** Waterproof at immersion of half meter, half hour
- Size:** 9"L x 7"W x 1.85"H
(22.9cm x 17.8cm x 4.7cm)
PCB 6"L x 5.5"W x 1.2"H
(14cm x 15.24cm x 3.05cm)
- Weight:** 2 lbs. (PCB 1.25 lbs.)
- Case Construction:** ABS plastic cover on an anodized aluminum base
- Control Cable:** Shielded 4 conductor RG-58 coax with PL-259 connector
- Control Cable Length:** 9 ft. (2.74 m)
- Catalog Number:** 54-18

SGC Smartuner Family

SG-230



SG-230
1.6-30 MHz
3 to 200 watts

SG-237



SG-237
1.8-60 MHz
3 to 100 watts

SG-235



SG-235
1.6-30 MHz
3 to 500 watts

SG-231



SG-231
1-60 MHz
3 to 100 watts



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