

# MAC-200

(Smartuner™ Built-In)



## Master Antenna Controller

### The FIRST of its Kind

The MAC-200 brings together a Smartuner™ and an Antenna Switch in a single compact unit

- Controls 5 Antennas  
3 SO239 coaxial connectors  
1 Balanced Antenna output  
1 End Fed Long Wire
- Displays Forward Power on 20 and 200 watt scales and VSWR
- Smart enough do the job without operator attention

The MAC-200 is **THE** Answer for feeding multiple antennas from a single transceiver! It's more than a switch, it shares a tuner between all of the antennas. It knows which antenna you're on and remembers the last successful tunes on each antenna so it can get back there fast. All of this works in less than 10 ms for frequencies you've been on before, less than 2 seconds for randomly chosen frequencies with a no compromise Pi Network output. The Smartuner remembers everything for quick, perfect matching.

The Master Antenna Controller is the **MUST HAVE** solution for anyone with more than one antenna, or anyone who wants to add more antennas in the future. The push of a button is all that's needed to make it work, everything else is automatic. Built in meters for easy monitoring, low power consumption, and rugged construction make it useful for complex field portable operation as well. No one but SGC could have done it!



*Your HF Solution*



## Use it with any antenna

- Whip
- Dipole centerfed
- Dipole with feedline
- Loop (small) 2X2 multi turn
- Loop (large) 10 ft and up, one turn
- End Fed Longwire



No multiple antenna switching solution on the market provides so much power to manage your antenna farm in a single box.

## Technical Specifications

HF Frequency Range	1.8-60Mhz
Power Input	1.5-200 watts PEP
Number of Inputs	1 type SO239
Revolving Memory Bins	168
Number of Outputs	5
	1 End Fed
	1 Balanced Feed
	3 Coaxial Outputs
	Pi Configuration
Network	
Impedance Range	
Longwire	.2-5000 ohms
feedline	5-1000 ohms
Balanced Output	5-1000 ohms
VSWR	Typically less than 2:1
DC Input Requirement	+13.8 VDC (nominal)
DC Operating Range	+10 to 18.5VDC
Input Current	230 milliamps average
Random Set Time	Typically < 2 seconds
Recurrent Set Time	Typically < 10 ms
Antenna Length (Long Wire)	
Minimum 9 ft - 7-30Mhz	
Minimum 40 ft - 3-30Mhz	
Minimum 100 ft - 1.8-30Mhz	
Installation	Desktop
Operating Temperature	-35 to +70C
Size	6.5 X 3 X 8.5 inches
Weight	5 pounds
Case Construction	Extruded Aluminum
Meters	1 SWR
	1 Power with 20 & 200 watt scales
Cable & Connections	Standard Coaxial PLUS
	2 wires for DC PLUS
	2 wires for optional SmartLock

The ideal add on to make ALL of your antennas perform to their limits.

## *Smart Choice Smartuner*

SGC Inc., 13737 SE 26th St., Bellevue, WA 98005

Tel: 425-746-6310, Fax: 425-746-6384

Email: [sgc@sgcworld.com](mailto:sgc@sgcworld.com)

Web: [www.sgcworld.com](http://www.sgcworld.com)