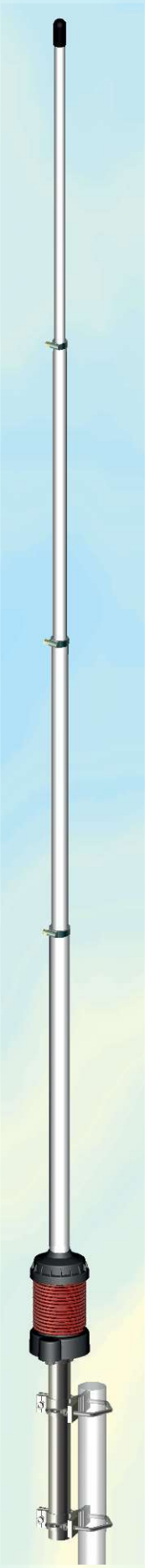
SIRIO antenne News News



Gain-Master™

Hi-Tech Fiberglass Base Station Antenna for CB & 10m

PATENT PENDING

AVAILABLE FROM SEPTEMBER 2010

Gain-Master™ is a 0.625λ high tech fiberglass base station antenna for CB and 10m amateur band, completely designed by electromagnetic simulation to achieve the maximum gain and optimize the radiation pattern and bandwidth. Engineered with the most advanced available technologies it is completly manufactured in Italy with high quality materials. The new design of the radiant element (**Patent Pending**) works like a central feeded dipole so all RF currents on the radiator are in-phase and the ground plane radials are not necessary. The coaxial coil at the bottom works like RF-choke for the optimum decoupling from mast and feeding line.
Made of telescopic fiberglass tubes, it is DC-grounded for the best protection from static discharges.

Gain-Master™ is the new reference standard in its class of antennas.

Electrical Data

Type	0.625 λ center feeded vertical dipole
Frequency Range @ SWR ≤ 2.0	25.5 - 30 MHz 400 CB channel & 10m ham band
Impedance	50 Ω
Radiation	Omnidirectional
Polarization	Linear Vertical
Max Gain on the horizon	1 to 2 dB higher than conventional 5/8 λ
Max Power	500 Watts (CW) continuous 1000 Watts (CW) short time
Ligthning protection	All metal parts are DC-grounded, the inner conductor shows a DC-short
Connector	UHF-female, PTFE insulator & gold plated central pin

Mechanical Data

Materials	White fiberglass composite tube, radiator made of copper wire and low loss coax cable, stainless steel hardware, anodized AW6060 aluminium, UV stabilized thermoplastic
Wind Resistance	up to 160 Km/h
Height (approx.)	7360mm with bracket, radiator 6850mm
Packaging Dimensions	1950 x 110 x 120 mm
Weight (approx.)	3 Kg
Mounting mast	Ø 35-54 mm side mast with "V" bolt

More technical information on: www.gain-master.it