

VHF Ringos – Ringo VHF Base Stations For 150-174 MHz and 220-222 MHz

Reliable, long life, and economical antennas

These popular omnidirectional antennas have been selected for use with repeaters, talk-around systems, paging systems, security alarms, VHF dedicated systems, 220 trunking systems, and in such applications as police, fire, agricultural and hundreds of others requiring reliability, long life and economy. Field tunable and easy to install, they can be mounted on any vertical tubular support up to 1-1/4 inch (3.2 cm) diameter. Ringo, Ringo Ranger, and Ringo Ranger II can be shipped economically by UPS.

RINGOS

- Field tunable
- DC grounded
- Seamless hard-drawn aluminum tubing
- Stainless steel hardware
- Fast assembly
- UPS shippable

Ringo Ranger II, CRX-150B and CRX-220B, 6 dBi gain

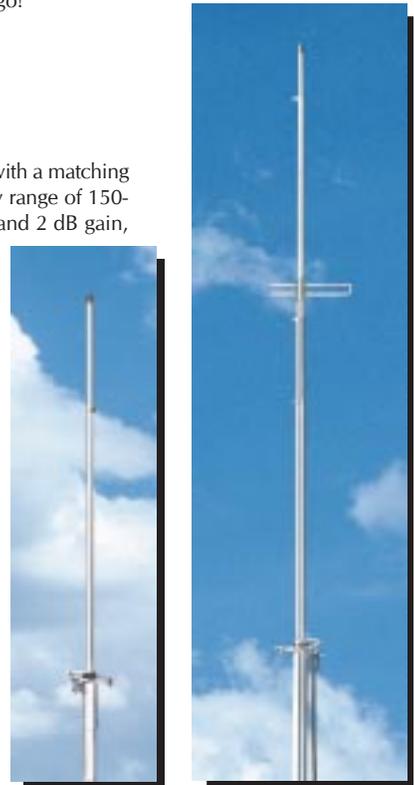
Our most popular base station antenna is now available in the 220 MHz band. Both the CRX-220B (220-222 MHz) and the CRX-150B (150-174 MHz) feature a full 6 dB gain vs. a quarterwave antenna. The Ringo Ranger II is perfect for trunking or any other system where ease of installation, performance and economy are priorities.

Ringo Ranger, CRX-150 and CRX-220, 5 dBi gain

Field tunable and easily installed, the CRX-150 (150-174 MHz) and the CRX-220 (220-222 MHz) have 5 dB gain. Installation involves measuring the radiator length and tightening two clamps; the antenna is assembled just that easily. Add a simple adjustment of the tuning rod, and you're ready to go!

Rugged Ringo CRS-150 and CRS-220, 2 dBi gain

Our Ringo is a single half-wave, end-fed antenna with a matching section featuring a ring inductor. With a frequency range of 150-174 MHz (CRS-150) or 220-222 MHz (CRS-220) and 2 dB gain, the Ringo is completely grounded. It is shipped with a fully assembled base section and requires only adjustment of the radiator tube and simple tuning to be operational. Ringos include stainless steel hardware and radiators fabricated from seamless aluminum tubing.



CRS150

CRX150

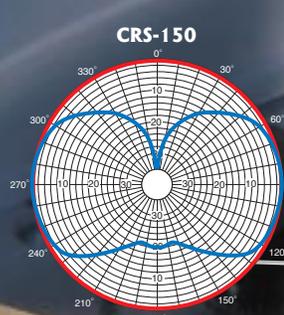
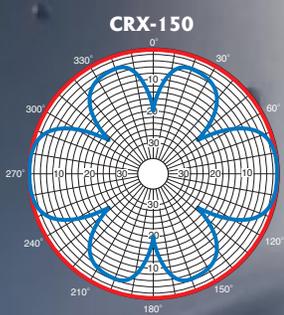
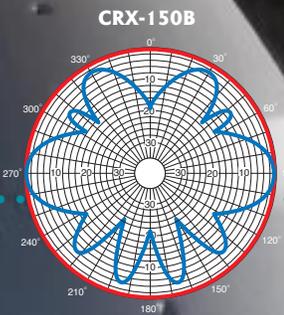


Close-up detail of Ringo shows stainless steel hardware and connector assembly.

CRX-150B

VHF RINGO SELECTOR GUIDE

Model	Freq. MHz	Gain dBi	VSWR (Nominal)	Bandwidth 1.5:1 MHz	-3dB bwidth E-Plane*	Connector (Female)	Height In (cm)	Weight lb (kg)	W/sur Area ft' (m²)	W/survival mph (kph)
CRX-150B	150-174	7	1.5:1	4	30	UHF	162 (412)	7 (3.2)	1.4 (0.13)	80 (125)
CRX-150	150-174	5	1.5:1	6	36	UHF	116 (294)	5 (2.2)	0.5 (0.05)	80 (125)
CRS-150	150-174	2	1.5:1	7	73	UHF	45 (114)	2 (0.9)	0.18 (0.02)	80 (125)
CRX-220B	220-222	7	1.5:1	2	30	UHF	110 (279)	5 (2.25)	.95 (.088)	80 (125)
CRX-220	220-222	5	1.5:1	2	36	UHF	79 (200)	3.5 (1.57)	.34 (.130)	80 (125)
CRS-220	220-222	2	1.5:1	2	73	UHF	30 (76)	1.5 (.67)	.122 (.017)	80 (125)



Red line = H-Plane
Blue line = E-Plane