



Smart Technology. Delivered.

# CR/CRX Ringo Series

406 to 512 MHz

## Omnidirectional Base Station Antenna



CR450

CRX450



CRX4508

### BROADBAND OMNIDIRECTIONAL BASE STATION ANTENNA

The Laird Ringo and Ringo Ranger are the perfect choice for omnidirectional applications where ease of installation and economy are a priority. These versatile base station antennas are widely used in dedicated systems such as fire, police, telemetry, security, data transmission and talk-around.

#### Ringo Ranger II 7 dBi Gain

Our most popular UHF base station model is perfect for applications needing an economical omnidirectional antenna. Requiring neither tuning nor groundplane, the 406-512 MHz Ringo Ranger II offers a full 6 dB gain versus a quarterwave whip.

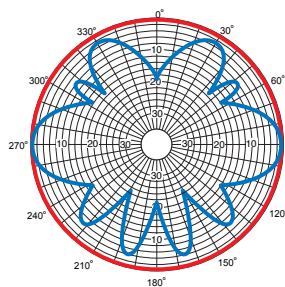
**Ringo Ranger 5 dBi Gain** Ringo Ranger provides a 406-512 MHz frequency range and 5 dB gain. Easy to install and economical, Ringo Ranger delivers excellent electrical performance and long life.

#### Ringo 2 dBi Gain

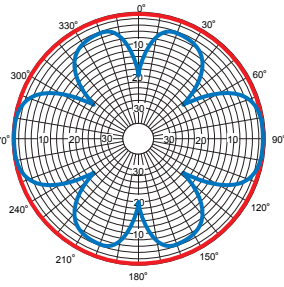
The Ringo is a DC-grounded single half-wave antenna fed by a matching section with a ring inductor. Covering a 406-512 MHz frequency range with 2 dB gain, the Ringo is shipped assembled and requires no tuning.

MODEL	FREQ. MHz	GAIN dBi	VSWR MHz	BANDWIDTH E-PLANE°	-3dB BEAMWIDTH	CONNECTOR TYPE	HEIGHT in (cm)	WEIGHT lb (kg)	W/SUR AREA f <sup>2</sup> (m <sup>2</sup> )	W/ SURVIVAL mph (khp)
CRX-406B	406-420	7	1.5:1 nominal	8	30	UHF	54 (137)	2.6 (1.2)	0.27 (0.03)	80 (125)
CRX-450B	450-470	7	1.5:1 nominal	8	30	UHF	54 (137)	2.6 (1.2)	0.27 (0.03)	80 (125)
CRX-470B	470-490	7	1.5:1 nominal	8	30	UHF	54 (137)	2.6 (1.2)	0.27 (0.03)	80 (125)
CRX-490B	490-512	7	1.5:1 nominal	8	30	UHF	54 (137)	2.6 (1.2)	0.27 (0.03)	80 (125)
CRX-406	406-420	5	1.5:1 nominal	10	36	UHF	38 (96.5)	2 (0.9)	0.16 (0.02)	80 (125)
CRX-450	450-470	5	1.5:1 nominal	10	36	UHF	38 (96.5)	2 (0.9)	0.16 (0.02)	80 (125)
CRX-470	470-490	5	1.5:1 nominal	10	36	UHF	38 (96.5)	2 (0.9)	0.16 (0.02)	80 (125)
CRX-490	490-512	5	1.5:1 nominal	10	36	UHF	38 (96.5)	2 (0.9)	0.16 (0.02)	80 (125)
CR-406	406-420	2	1.5:1 nominal	20	73	UHF	17 (43.2)	0.5 (0.24)	0.06 (0.01)	80 (125)
CR-450	450-470	2	1.5:1 nominal	20	73	UHF	17 (43.2)	0.5 (0.24)	0.06 (0.01)	80 (125)
CR-470	470-490	2	1.5:1 nominal	20	73	UHF	17 (43.2)	0.5 (0.24)	0.06 (0.01)	80 (125)
CR-490	490-512	2	1.5:1 nominal	20	73	UHF	17 (43.2)	0.5 (0.24)	0.06 (0.01)	80 (125)

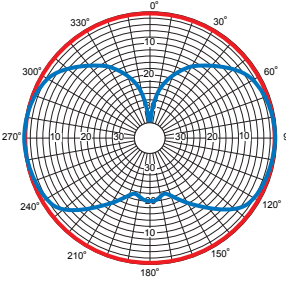
Typical Ringo Ranger II



Typical Ringo Ranger



Typical Ringo



Legend:   
█ H-Plane   
█ E-Plane

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