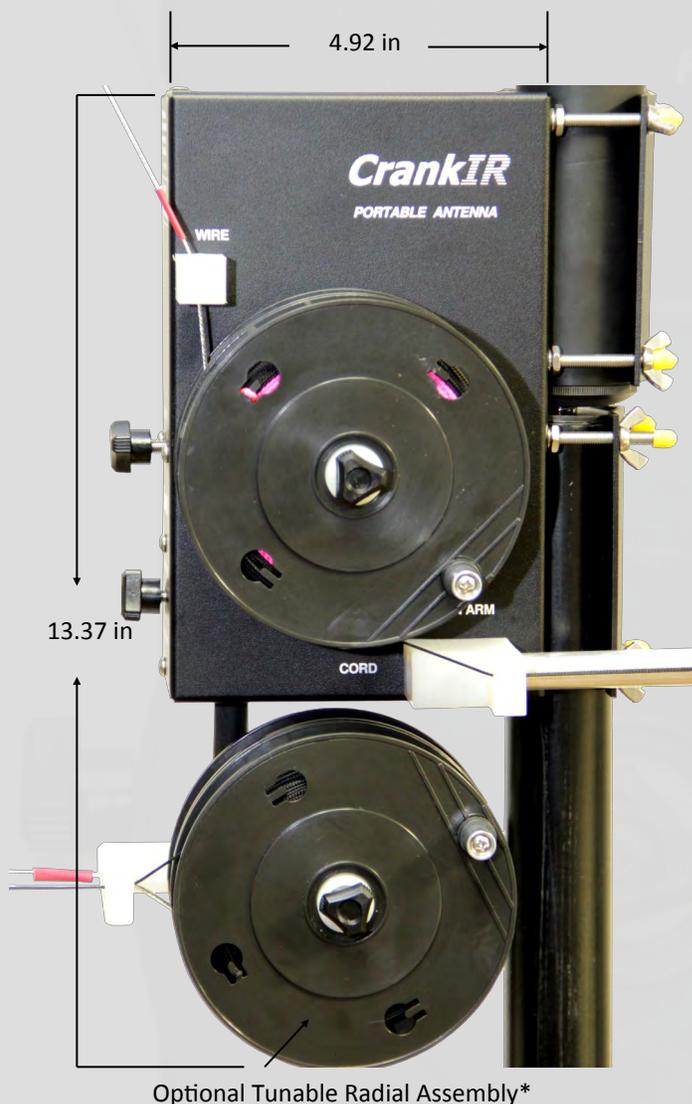


The *CrankIR* Series Antenna

A high performance, lightweight, and extremely portable antenna.

Manually operated with no power or controller required.



Optional Tunable Radial Assembly*

Pictured unit is 2.70 in deep (not including reels).

*CrankIR pictured with optional stand and optional tunable radial kit.

- No lossy loading coils are used on any frequency. Our approach is to always deploy one-half wavelength of wire split between the vertical radiator and the radial, resulting in maximum efficiency.
- Both the vertical radiator and the optional radial are tunable with a crank. This allows perfect impedance matching with a myriad of antenna configurations.
- Simple and fast tuning. There are hundreds of vertical/radial combinations that work perfectly.
- Whenever the vertical radiator or the radial is less than 1/4 wavelength we use our patented element fold back design to resonate the shortened antenna capacitively. Doing so creates higher radiation resistance than coil resonance which in turn results in higher efficiency. Using the fold back technique the losses are surprisingly low. For example: on 40m using an 1/8 wavelength (16 feet) vertical radiator and a radial going out 24 feet then looping back the loss compared to a full-sized antenna is only 1.2 dB
- The vertical radiator can be any height from as short as 10 feet and still work on 40m and up or 4 feet for 20m. However, a taller pole improves efficiency on the low bands (16 ft is near optimum for 40m and higher).
- Handles 1500 W key down (when configured with 1/8 wavelength or longer vertical radiator)

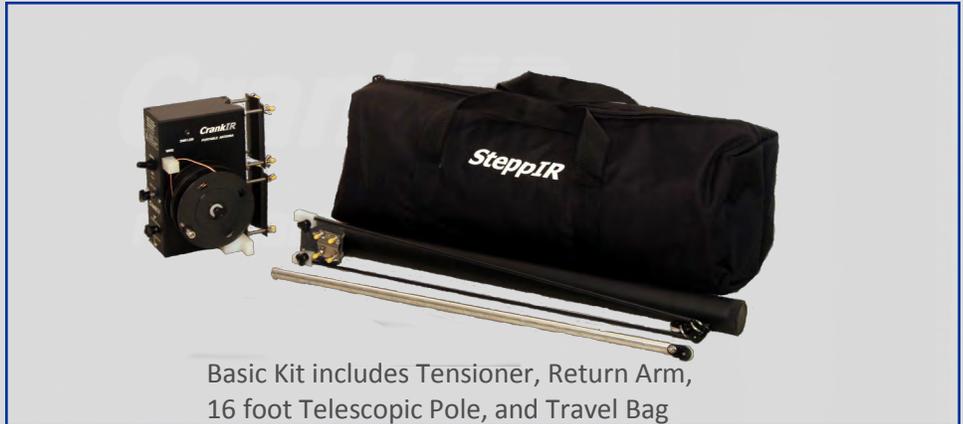
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SteppIR

CrankIR



*Shown with standard 16 ft pole and optional Tunable Radial Assembly.



Basic Kit includes Tensioner, Return Arm, 16 foot Telescopic Pole, and Travel Bag



Optional 72" and 118" portable aluminum stands. 118" Tripod—6.5 lbs; 45" when collapsed. 72 in Tripod*—5.5 lbs; 40" when collapsed.



Optional 80m Pole Extension kit. Extends 16' Telescopic Pole to 22'. Greatly improves performance on 40m as well. (Included as part of our 80m Kit)



Optional Tunable Radial Assembly. Available in 40 m - 2 m or 80 m - 2 m versions. (80 m - 2 m version is included as part of our 80 m Kit)

CrankIR Specifications

CrankIR Main Unit	3.3 lbs
16' Fiberglass Pole	2.0 lbs, 24 in collapsed
Tunable Radial	1.5 lbs
Frequency Range*	7-148 MHz, (*3.5-148 w/80 m Option)
Power Rating	1.5 KW (40 m-2 m 1/8 wl)