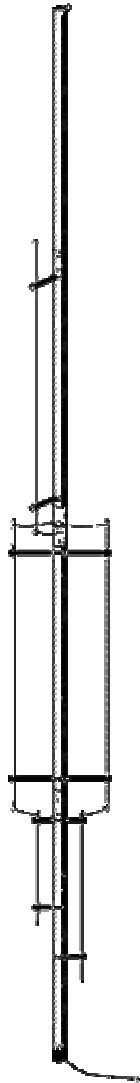




# CHALLENGER DX

## 8 Band Multiband DX Antenna



### SPECIFICATIONS

- **Bands**
  - 80m 40m 20m 15m 12m 10m 6m 2m
- **Bandwidth** -- Under 2:1
  - Entire band on 40m 20m 15m 12m 10m 6m 2m
  - 80m over 130 KHz; 10m over 1MHz
- **Height** -- 31.5 ft.
- **Weight** -- 18 lbs.
- **Radiation Efficiency** : Exceed conventional verticals by up to 600%
- **Mount** : Ground or elevated. A ground mount is supplied.
- **Counterpoise** : 3 at 25 ft.
- **Ground Area Required** : Fits in 10 ft. by 12 ft. area.

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The Challenger antenna is the first production multiband antenna to utilize GAP technology. Thousands of Challengers are now in use throughout the world. From the jungle of New Guinea to the bitter cold of Finland to the brutal sands of Desert Storm, Challenger with its elevated feed links its user with rest of the world. Challenger is the first and only antenna capable of operating on eight separate bands from 3.5 MHz to 144 MHz. Its operating bands are 80m, 40m, 20m, 15m, 12m, 10m, 6m, and 2m. Over 130 KHz of bandwidth is provided on 80m. On 2m Challenger is a great base station antenna.

CQ tested the Challenger and established that on 2m, for example, its gain was approximately 6 to 8dB. On 40m compared to a mono band vertical, they found Challenger an S unit stronger. This is typical of the many reports received from amateurs around the world. Challenger is designed to be mounted directly in the ground or elevated. A ground mount is provided with each antenna. With the ground mount in place, the Challenger simply drops in. If necessary, because of space limitations, but not to improve performance, Challenger may be roof mounted since it does not require earth loss to obtain a 50 ohm match. Challenger requires a counter poise of three 25ft. insulated wires. They may be buried or just scattered on the ground. Symmetrical deployment is no critical. Adding additional wire will not significantly improve performance. All of these are covered in a 16-page assembly manual provided with each antenna.