

# HFp Antennas

## Accessory User's Guide

### The HFp BackPack Mount

The HFp BackPack Mount allows mounting the HFp Vertical to almost any type of vertical support. The Mount consists of a double-thickness support member, about 12 inches long. The double-thickness of the BackPack Mount adds strength to allow it to hold up in demanding conditions. It is used with the standard HFp-Vertical Base Insulator to create an alternative support for the Vertical.

Originally designed to allow the HFp Vertical to be attached to a backpack frame, the Mount may be attached to fence posts, porch railings, vertical pipes, or even chair backs. The possibilities are virtually limitless.

Installing the BackPack Mount is facilitated by means of tie-wraps or stainless-steel band-type screw clamps (hose clamps) to secure the Mount base to the vertical support.



Because the normal Vertical setup makes use of three radials, and the BackPack mount may use only one (or two), the tuning setup of the antenna may be different from that suggested on the Laminated Card. Typically, the electrical length of the elements will need to be longer to compensate for the reduced counterpoise. This can be effected by extending the whip, by turning over a two- or three-stripe element, to put the stripes down, or by moving a two- or three-stripe element lower in the assembly. The use of one of the popular antenna analyzers is highly recommended to ease getting the antenna set up properly in the backpack configuration.

***A word of warning*** – If the BackPack Mount is used in a “Pedestrian Portable” operation, be sure to use the lowest possible power setting on your radio. With the antenna in such close proximity to your body, it is very easy to exceed the recommended maximum RF radiation levels for human exposure. For more information on this subject, see the write-ups and links on the Ventenna web site, at [“http://www.ventenna.com/RF-Safety.html”](http://www.ventenna.com/RF-Safety.html).

