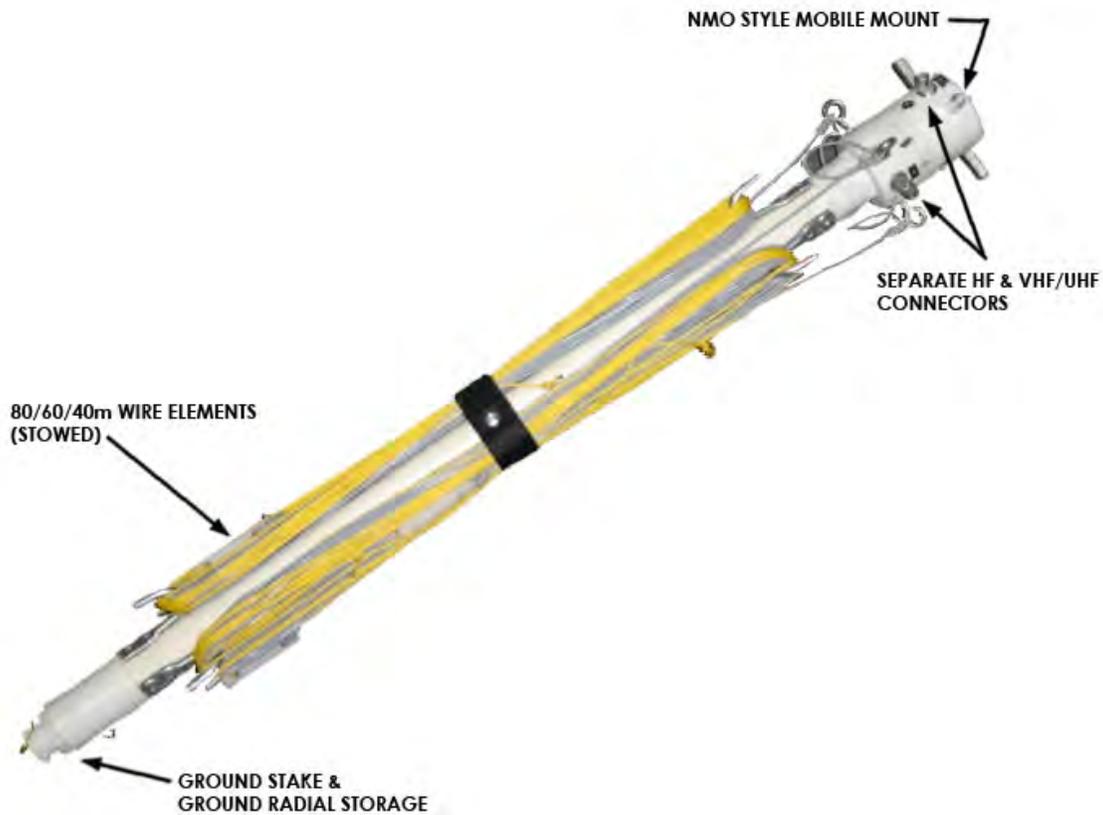


# RAPID DEPLOYMENT HF NVIS AND VHF/UHF ANTENNA



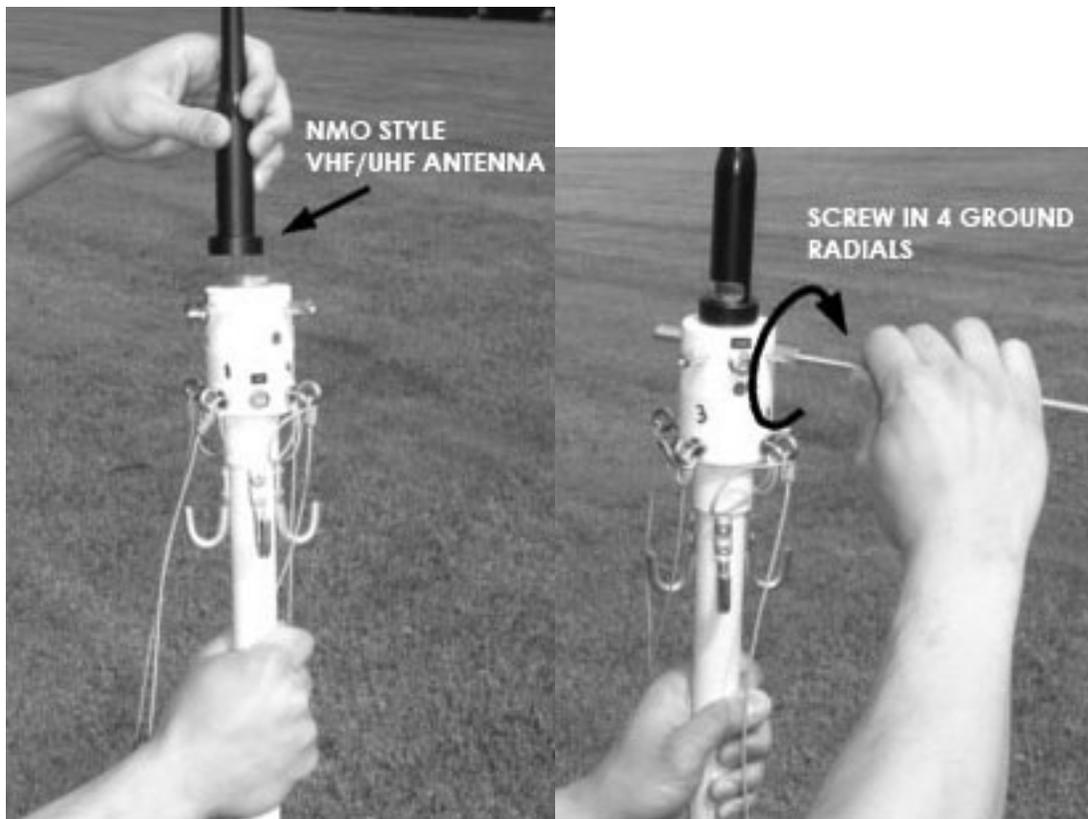
## Features

- Less than 10min setup or takedown by a single person, faster with two!
- Antenna is resonant on the most popular HF NVIS Amateur bands and can be fed with 50 ohm coax on 40/60/80m.
- HF side can be fed with balanced line (TV Twinlead) for true all band HF operation with a tuner.
- Top section equipped with an NMO mount with ground radials and can use a variety of VHF/UHF mobile antennas.
- Uses the popular Buddipole 16ft mast as a support.
- Perfect for emergency first responders, military or the amateur who wants a high performance portable HF-VHF-UHF field antenna.



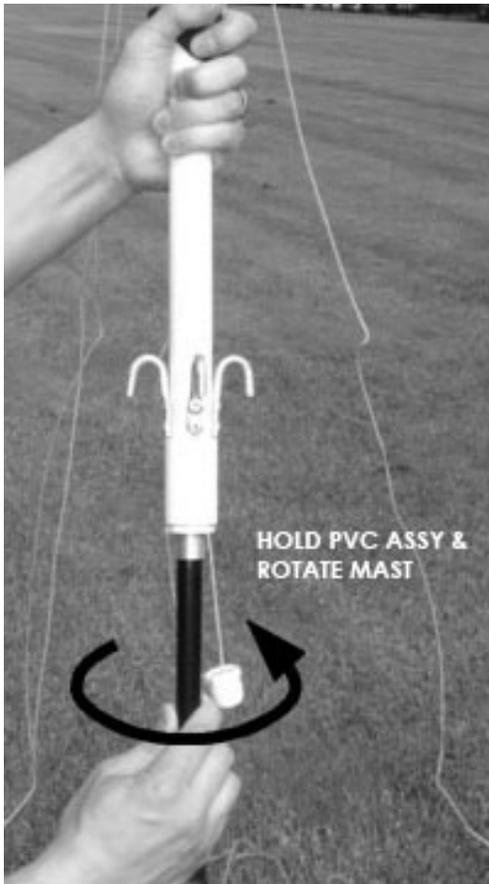
## Assembly Instructions

1. Locate an antenna site at least 188 X 128ft and clear of obstructions.
2. Standing in the center of the antenna site, unwrap the #1 wire antenna element and fully extend in one direction chosen for the longest elements. Secure this element by driving a ground stake at the far end of the support rope at a 45deg angle up and away from the antenna mast.
3. Unwrap the #2 wire element and fully extend in the opposite direction of wire #1. Stake as above.
4. Unwrap the wire #3 element and fully extend perpendicular to wire #1 & 2. Stake as above.
5. Unwrap wire # 4 and fully extend opposite wire #3. Stake as above.
6. Install the VHF/UHF NMO antenna at this time. Attach the 4 ground radials as shown.



7. Connect the HF and VHF/UHF feedlines. Route them so they will not tangle in the wire elements when the mast is extended.
8. Attach the 16ft mast as shown holding the PVC assembly fixed and rotate the loosened top section of the mast into the PVC assembly.

## Assembly Instructions Continued



9. Fully extend the mast or extend until the wire elements are taught. If the mast fully extends and the wire elements are sagging, or the mast cannot fully extend, pull and re-stake the appropriate wire elements. When completed, the wires should be taught without the mast bending. You may need to re-center the mast by moving the base around slightly.
10. Connect transceiver(s) and verify operation.

## Stowing Instructions

1. Disconnect transceiver(s).
2. Collapse the mast leaving the top section loose to rotate.
3. Remove ground radials and VHF/UHF whip.
4. Remove the mast from the PVC section by holding the PVC assembly fixed and unscrew the loosened top section of the mast from the PVC assembly.
5. Pull up all ground stakes.
6. Stow all antenna wires on the hooks below and to the right of the respective wire eyelet when viewing the PVC section upright.
7. Stow the ground stakes with bent ends in first and then stow the ground radials with threads facing out. Replace bottom pipe cap.
8. Coil up feedline(s).