

# Field Day/Portable Antenna System Set-up

System consists of: High Sierra HS-1500 MKII antenna and a Comet SBB-5 vhf/uhf antenna



**Fig. 1**



**Fig. 2**



**Fig. 3**

Start set-up by raising center tube of tripod approximately 16" as shown below. Hand tighten clamp wheel snug but not too tight as to crush or make tube out of round (Fig.1) Always leave the top bolt in the hole in the tube when not in use to secure the tube crush preventer.

Install jiffy angle bracket to the top of the mount and in the orientation shown in Fig.2 – Bolts and wing nuts need to be installed as pictured. Tighten wing nuts to hold both brackets tight

Install Comet RS-720 vhf/uhf mount and route cable down to small hole in mount and attach with the small SS hardware (Fig. 3)



**Fig. 4**



**Fig. 5**



**Fig. 6**

Install radials on ground stud of the HS-1500 mounting bracket utilizing the stainless steel star washers and nut and tighten securely (Fig. 4) Secure the worm clamp to hold antenna in the orientation shown making sure the clamp is centered on the plastic insulator.

Install the Comet SBB-5 vhf/uhf antenna to Comet RS-720 mount. Install Comet CF-706 duplexer hf cable to the HS-1500 feed point. Install the Comet CF-706A vhf/uhf cable to the Comet SBB-5 feed point. Connect the 20' coax/motor controller cable to the input of the Comet CF-706a duplexer. Connect the motor controller wires to the antenna motor controller connector.

Roll out radials approximately every 30 deg. around the base of the tripod. Install capacity hat if desired. (installation of the capacity hat will improve performance on the 75 and 40 meter bands but will not allow the antenna to resonate in the 10 meter band!) Remove capacity hat for 10 meter operation. Install 6' whip to stud on top of HS-1500, connect you rig to the coax, the motor controller to the controller connector and enjoy you Field Day experience!

NOTE: If the HS-1500 is to be used in a mobile environment, you must attach one of the matching coils to the small screw at the bottom of the brass stud and to the ground connection point on the antenna mount. This coil is only included to help match the antenna on the 40 and 80 meter bands. Follow instructions supplied for the ASAC controller if you use it to auto tune with the IC-706MKIIG.

## Additional parts included with the Field Day / Portable Antenna System



AM-COM ASAC-100 controller – used for mobile operation of the HS-1500 antenna



### Spare & Included parts for the HS-1500

- New motor
- Coil top
- Tube insulator
- (2) Spare contact springs
- Replacement motor gears
- Spare feed point stud
- (2) Feed point matching coils (use when running mobile)
- Spare power connector w/ferrite bead
- Spare power connector

### Not shown

Antenna storage bag



Capacity Hat