



Dipole Jaw Mount Operator's Manual

California - USA

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VERSATILE – DEPENDABLE – STEALTH – BUILT TO LAST

INTRODUCTION

Thank you for purchasing and using the Chameleon Antenna™ Dipole Jaw Mount. The Dipole Jaw Mount has been designed and manufactured to offer portable antenna versatility for Chameleon Antenna™ owners. The Dipole Jaw Mount will work with all Chameleon Antenna™ vertical antennas with a 3/8" stud (CHA MIL WHIP, CHA MIL WHIP EXT, V1, V1L, and V2L). As delivered, the Dipole Jaw Mount comes in two assemblies: the Jaw Mount, which has the spring loaded clamp; and the Dipole Mount, which has the two 3/8" antenna mounts; see plate (1). The Jaw Mount can clamp to most objects up to 3", depending upon the shape. The Chameleon Antenna™ Tripod or a pipe with a diameter of 1 1/4" is ideal. The Dipole Mount can clamp on to 3/4" pipe or a bar or board no larger than 1 1/4" x 5/8". The Jaw Mount and Dipole Mount assemblies may be used separately or combined in several versatile configurations, depending upon your antenna mounting situation. Antennas built by Chameleon Antenna™ are versatile, dependable, stealthy, and built to last. Please read this operator's manual so that you may maximize the utility you obtain from your Dipole Jaw Mount.

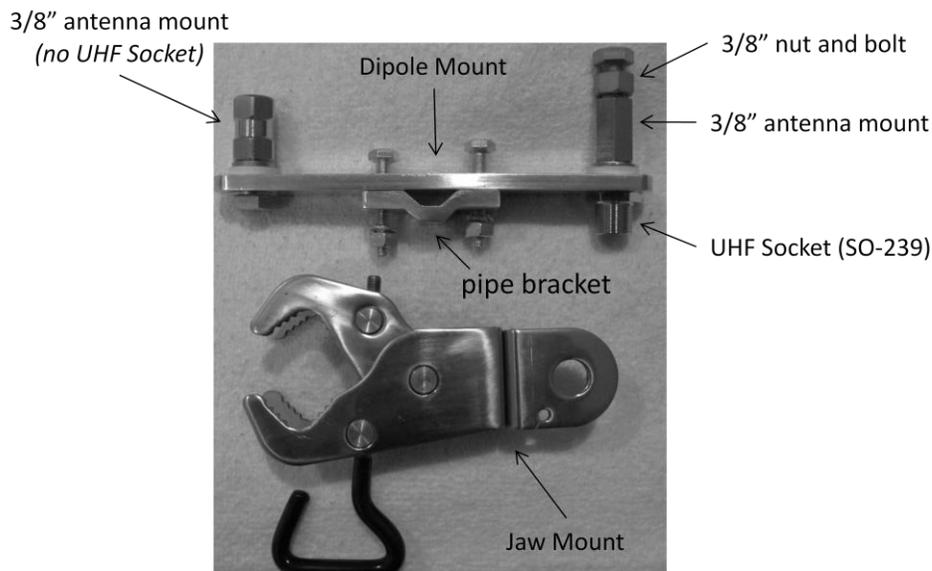


Plate 1. Dipole and Jaw Mounts as Delivered.

MONOPOLE (VERTICAL) JAW MOUNT ASSEMBLY

Refer to Plates (1) through (3) for assembly of the Chameleon Antenna™ Jaw Mount for use with monopole (vertical) antennas.

1. Remove the extra 3/8" nut and bolt from the 3/8" antenna mount.
2. Remove the 3/8" antenna mount with the UHF Socket (SO-239) from the Dipole Mount assembly and save for future use.
3. Remove the pipe bracket from the Dipole Mount assembly and save for future use.
4. Remove the 3/8" antenna mount without the UHF Socket (SO-239) from the Dipole Mount assembly.
5. Place the 3/8" hole of the Jaw Mount bracket over one of the 3/8" holes in the Dipole Mount, as shown in plate (3).
6. Reinstall the 3/8" antenna mount from step (4), see assembly detail in Plate (2).
7. Install the 3/8" nut and bolt from step (1) into the open 3/8" hole in the Dipole Mount.
8. This completes assembly of the Monopole Jaw Mount.

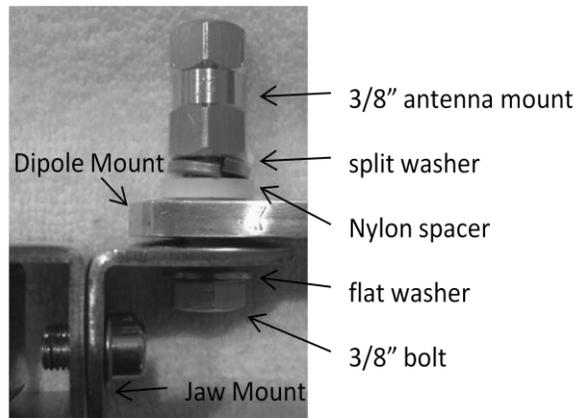


Plate 2. Jaw Mount and Dipole Mount Assembly Detail.

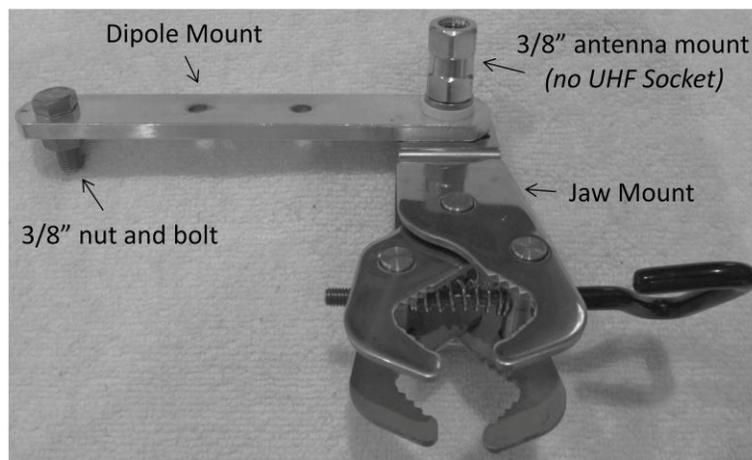


Plate 3. Assembled Monopole Mount Configuration.

ATTACHING THE COUNTERPOISE

If you are using a monopole (vertical) antenna (not a dipole antenna), a good counterpoise is necessary for proper operation.

9. Connect one to four counterpoise wires, 25 feet in length, to the 3/8" nut and bolt, see figure (1). The optional Chameleon Antenna™ Counterpoise Kit is designed for this purpose.

ATTACHING THE MONOPOLE (VERTICAL) ANTENNA

See figure (1) for the following steps.

10. Attach the Hybrid Base to the Jaw Mount by threading the 3/8" counterpoise stud at the bottom of the Hybrid Base into the top of the 3/8" antenna mount and tighten until snug.
11. Thread the 3/8" stud at the base of your vertical antenna into the 3/8" antenna mount at the top of the Hybrid Base.
12. Connect the coaxial cable to the UHF Socket (SO-239) on the side of the Hybrid Base.
13. This completes assembly of the monopole antenna.

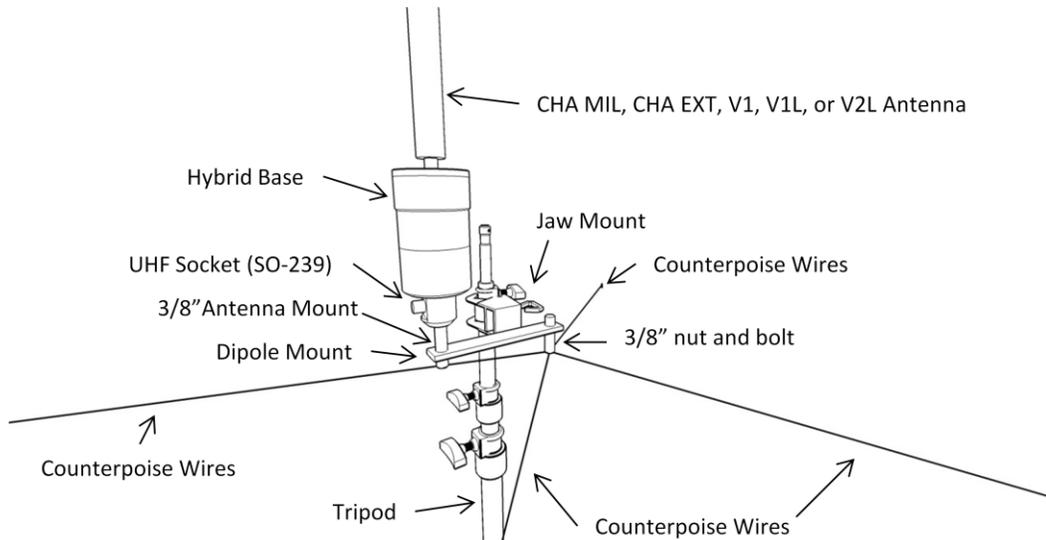


Figure 1. Jaw Mount Antenna and Counterpoise Setup.

DIPOLE JAW MOUNT ASSEMBLY

See Plates (1), (2), and (4) for assembly of the Jaw Mount for use with dipole antennas.

1. Remove the 3/8" nut and bolt from the 3/8" antenna mount and save for future use.
2. Temporarily remove the 3/8" antenna mount from the Dipole Mount assembly with the UHF Socket (SO-239).
3. Remove the Nylon spacer from the 3/8" antenna mount and save for future use.
4. Reinstall the 3/8" antenna mount (without the Nylon spacer) on the Dipole Mount.
5. Remove the pipe bracket from the Dipole Mount assembly and save for future use.
6. Remove the 3/8" antenna mount without the UHF Socket (SO-239) from the Dipole Mount assembly.

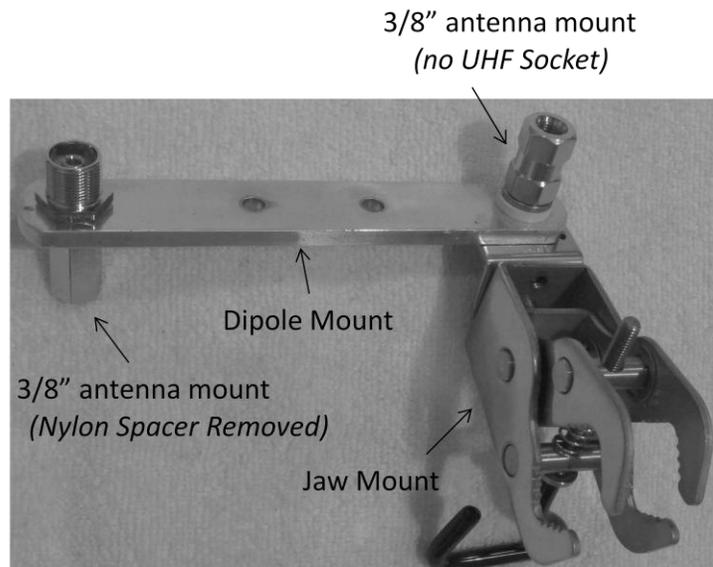


Plate 4. Assembled Dipole Jaw Mount Configuration.

7. Place the 3/8" hole of the Jaw Mount bracket over one of the 3/8" holes in the Dipole Mount, as shown in Plate (4).
8. Reinstall the 3/8" antenna mount from step (6), see assembly detail in plate (2). *The 3/8" antenna mounts should be on opposite sides of the Dipole Mount, as shown in Plate (4).*
9. This completes assembly of the Dipole Jaw Mount.

ATTACHING THE DIPOLE ANTENNAS

See Plate (4) and Figure (2) for the following steps.

10. Attach the Hybrid Base to the Jaw Mount by threading the 3/8" counterpoise stud at the bottom of the Hybrid Base into the top of the 3/8" antenna mount and tighten until snug.
11. Thread the 3/8" stud at the base of your whip antenna into the 3/8" antenna mount at the top of the Hybrid Base.
12. Thread the 3/8" stud at the base of your other whip antenna into the 3/8" antenna mount at the other end of the Dipole Mount.
13. Connect the coaxial cable to the UHF Socket (SO-239) on the side of the Hybrid Base.
14. This completes assembly of the dipole antenna.

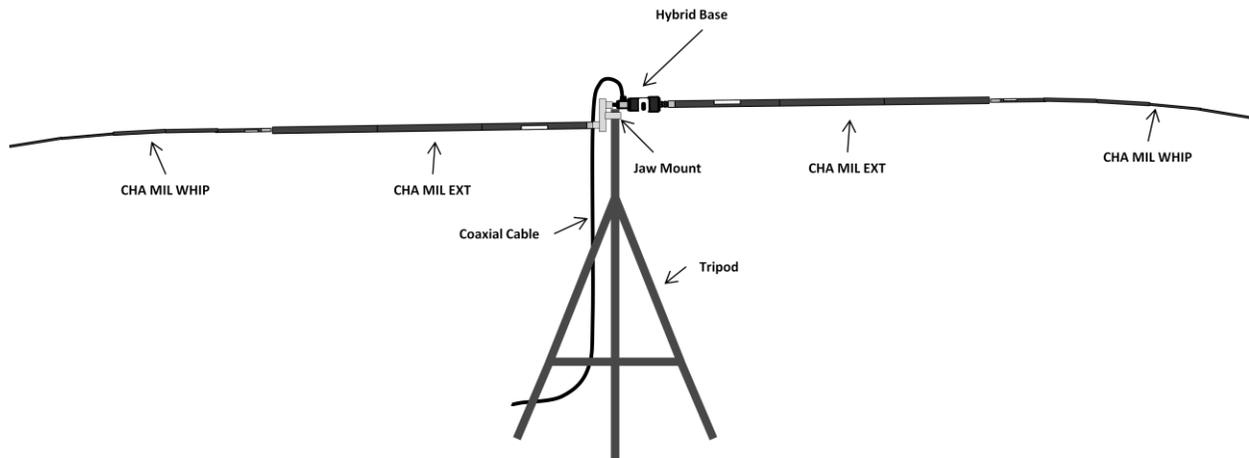


Figure 2. Dipole Jaw Mount Antenna Setup.