

Elecraft AX4 Whip Antenna Specifications

Rev. B1, May 27, 2026

Bands	<p>Up to 7, via four band-jumper settings: 7, 10, 14, and 21 MHz. Resonances are approximate. 21 MHz setting is used for 18, 24.9, and 28 MHz.*</p> <p><i>* A wide-range ATU is generally required</i> to compensate for whip height above ground, radial configuration, ground characteristics, and inductance variation. All Elecraft transceiver internal ATUs, as well as the T1 20 W ATU, can match load SWRs of 10:1 min. and meet AX4 requirements. For ATUs with insufficient range, a match can often be achieved by adjusting whip length.</p>
Gain	Approx. 6 dB relative to antennas with 4' (1.25 m) whips
Dimensions	Whip: 8' 2" (2.5 m) extended; 13.3" (34 cm) collapsed. Base unit: 6.7" (17 cm). AXTC4 table clamp: 5.8" (15 cm) long; Max table thickness, 3" (7.5 cm). BL3 balun: 3" dia. x 1.1" H (7.6 dia. x 2.8 cm).
Weight	AX4 base unit, 8.8 oz. (250 g). Whip: 3.8 oz. (108 g). AXTC4 table clamp, 3.6 oz. (100 g). BL3 balun, 6.0 oz. (170 g).
Max. Power	100 W CW/SSB, 50 W data/AM/FM* <i>* If RFI symptoms are observed at the transceiver or at an attached computer,</i> reduce power and/or use a high-isolation, high-power balun. (The Elecraft BL3 is optimized for high isolation on all AX4 bands.) <i>If SWR increases during transmit,</i> reduce power to avoid excessive balun heating.
Radial Wires	Four 13' (4.0 m) radials are supplied. Lay the radials directly on the ground in an "X" pattern for best match and to avoid a tripping hazard. Always connect the radials to the AX4's ground thumb screw, <i>not</i> to the transceiver. This is especially important if a balun is used.
Construction	Corrosion-resistant whip and hardware; nylon base unit with acrylic toroid cover. High-Q inductors (T94-6) wound with high-temp enamel wire. Convection cooled via rain- and insect-resistant louvered apertures.