ICOM INSTRUCTIONS

FOLDED DIPOLE ANTENNA

AH-710

Thank you for purchasing the AH-710 FOLDED DIPOLE ANTENNA.

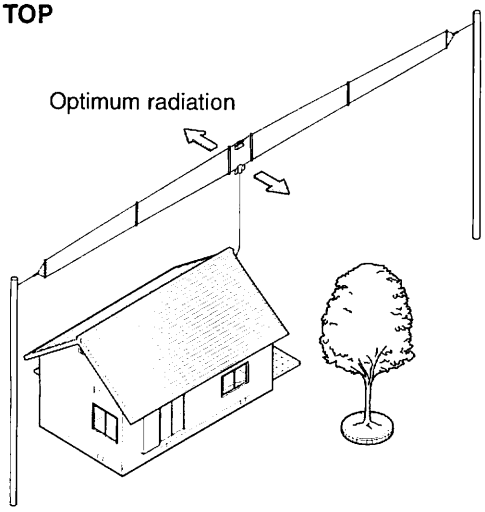
Please read these instructions before installing and using this antenna.

INSTALLATION

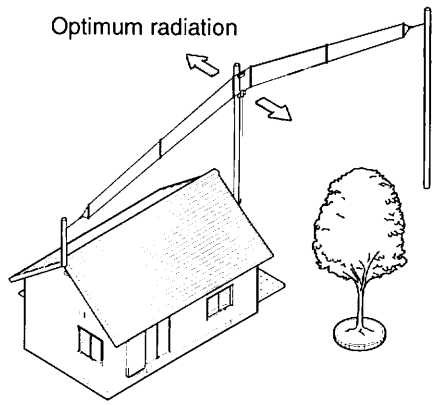
① Decide on a location for the antenna.
- The radiation direction is at right angles to the antenna element.

② Connect the coaxial cable to the antenna element.
③ Connect the support wire to the insulator at the end of the antenna.
④ Attach the antenna onto the antenna mast with the support wire.
⑤ Connect the support wire to the insulator at the other end of the antenna.
⑥ Attach the antenna onto the other antenna mast.
⑦ Stretch the antenna wires as shown below.

FLAT TOP



INVERTED V



UNPACKING

① Antenna element 1
② Coaxial cable (5D2V, 30 m; 98.4 ft) 1
③ Support wire for mobile operation (10 m; 32.8 ft).. 2
④ Auto-bonding waterproof tape (30 cm; 1 ft) 1

INSTALLATION NOTES

NOTE: The supplied support wires are for mobile operation only. Use durable wires for base station purposes.

Basically, a dipole antenna emits RF signals at right angles to the direction of the antenna element. Install the antenna so that it is at right angles to your target communication direction.

Install the antenna as high and as far away from other structures as possible. For example, the antenna height should be 10 m (32.8 ft) or more when using a "flat top" installation; the lower side antenna height should be 5 m (16.4 ft) or more when using an "inverted V" installation. The antenna should be spaced 1 m (3.3 ft) or more from other structures.

If you want to obtain the best possible VSWR, fine tuning of the antenna height and location, etc. is necessary.

SPECIFICATIONS

Frequency range	: 1.9 to 30 MHz
Power ratting	: 150 W
Input impedance	: 50 Ω
VSWR (typical)	: Less than 2 : 1 (1.9 to 18 MHz) Less than 2.5 : 1 (18 to 30 MHz)
Length	: 24.5 m (80.4 ft)
Coaxial feed line	: 30 m (98.4 ft) with PL-259 plug

At lower frequencies, the antenna SWR becomes approx. 20% higher when the antenna height difference from other structures is less than half of the wavelength.

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Count on us!

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