



SE HF X-80 XP High Power 1Kw Vertical Antenna

Instruction manual

Thank you for purchasing the SE HF X-80 XP VERTICAL, this instruction sheet should help you get the best from your new antenna.

The SE HF X-80 XP consists of a 6 m aluminium vertical radiating section and an UNUN transformer used to lower the high impedances found at the feedpoint of the vertical to the 50 Ohms that is required by your transceiver.

Specifications:

- Type End fed vertical antenna
- Frequency TX/ 3.5 – 52MHz (with ATU)
RX/ 1.8 – 55MHz (with ATU)
- Max power 1000 Watts (1Kw)**
- Impedance 50 Ohms
- Connector SO-239
- Height 6 m

Assembly and mounting:

Before you install your antenna, select the most available open site away from power lines and telephone lines. The antenna can be mounted at ground level or at height so giving you many options for installation.

Please ensure to use a metal mounting pole.

Mount the antenna using the u bolt or other attachment.

Assemble aluminium elements using jubilee clamps, leaving 11cm in each section and secure.

At the top of the base cradle place the three nuts and bolts into the black moulding and secure.

Attach the PL-259 plug on the 50 Ohm feeder coax to SO-239 socket on the UNUN.

We recommend that you should always earth at the tuner point rather than at the transformer for best performance and safety. If you wish to ground the antenna, attach adequate wire to the base cradle.

For permanent installation it would be prudent to seal the jubilee clamps with amalgamating tape or similar to prolong the life and quality of the antenna.

Pack contents:

6x Aluminium poles. 1x base cradle + Unun transformer. 5x Jubilee clamps. 1x Base bolt. 3x Top moulding nuts and bolts. 2x U-Clamps + washers and nuts. 1x Top cap (red)

Please note:

This antenna is for amateur radio and broadband receiving use. Do not use other than for the purpose of antenna. Please use the antenna within the standard specifications described in this manual. Failure to do this may cause heat and break down of the transformer unit.

***Under test conditions it was found that the antenna performs best when near ground mounted (up to 3m agl).**

***1kW power rating** is for intermittent amateur radio use (CW or PEP) **for data modes (FT-x, RTTY, etc)** or constant carrier data modes **a lower maximum of 200 Watts is recommended.**

**Warning: High RF currents are present on the antenna when transmitting.
DO NOT TOUCH.**