

The 303WA antenna is designed to receive across the frequency range of 30kHz to 30MHz employing complete passive system brings superior low noise and free of cross / inter-modulations. The small size and relatively light weight design is ideal for installation in a confined space such as apartment balcony. Upon unpacking, take time to locate and familiarize yourself with the parts described in the following table.

PARTS	QTY.
Main element (loading base approx. 600 mm)	1
Upper element (approx. 1200 mm)	1
SO239 jack (J-J)	1
Hex nut (for SO239)	2
L shape metal fitting, Support metal fitting	1 ea.
U shape bolt	1
Nut, Spring washer, Flat washer	2 ea.
Coaxial cable ( PL259 / BNC plug)	1
Self-amalgamating tape	1
Hex wrench	1

## ASSEMBLING

1. Securely attach the L type metal fitting to the suitable mast (not supplied) using U-shape bolt, Support metal fitting. (refer right-hand figure)
2. Attach the SO-239 jack (J-J) to the hole ( $16.5 \Phi$ ) of L shape metal fitting with the hex nuts.
3. Joint the Upper element to the Main element with joint connector adaptor and tighten screws by supplied hex wrench.
4. Install antenna element to SO-239 jack on the L shape metal fitting. Make sure the antenna element vertical. Adjust L shape metal fitting position for the antenna element to keep vertical.
5. Connect the coaxial cable (PL259) to lower side of SO-239 connector, and attach self-amalgamating tape for water resistance.
6. Lead in coaxial cable to your room (care must be taken for water intrusion) to connect its BNC plug to your receiver

## WARNING

**This antenna is designed only for receiving and please do not attempt to operate transmission.**

Sensible precautions must be taken while assembling & erecting the antenna in order to prevent any accident or damage to personnel or property. It is recommended that the antenna is regularly inspected for loose bolts & nuts. Make sure the antenna remains stable all the time. Do not use the antenna for non-intended purpose other than receiving radio signals.

**ApexRadio, Inc.**

