

RSS X200 ASSEMBLY INSTRUCTION

Parts Included

- Upper antenna section (fiberglass radome)
- Lower antenna section (fiberglass radome)
- Internal element joint bracket
- Outer shell joint bracket
- Support pipe
- 2 mast mounting brackets
- 3 radial elements (ground radials)
- Lock screw and hardware

Before You Start

- Assemble the antenna on the ground before raising it.
 - Do not remove the foam inside the fiberglass sections; it prevents vibration.
 - Ensure you are well away from power lines.
-

Step 1 – Join the Internal Elements

1. Remove any protective packaging from the antenna sections.
 2. Connect the upper and lower internal radiator elements together. (tighten the grub screws)
 3. Insert the lower element fully into the element joint bracket and tighten securely.
-

Step 2 – Join the Fiberglass Sections

1. Slide the upper and lower fiberglass sections together.
2. Position the outer-shell joint bracket over the joint.
3. Tighten the upper and lower joint brackets using two spanners/wrenches.
4. Tighten until there is no visible gap between the brackets. This creates the waterproof seal.

Step 3 – Install the Radials

1. Attach the three radial elements to the base of the antenna.
2. Secure each radial with its lock nut.
3. The radials should slope downward as shown in the Diamond diagram.

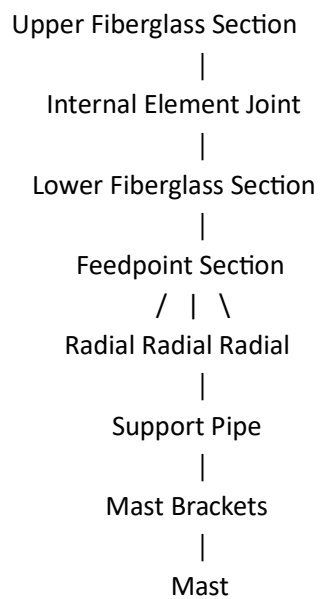
Step 4 – Attach the Support Pipe

1. Mount the two mast brackets onto the support pipe.
2. Feed your coax cable through the support pipe.
3. Connect the coax to the antenna feedpoint.
4. Align the holes in the feedpoint section and support pipe.
5. Install and tighten the lock screw.

Step 5 – Mount on Mast

1. Lift the assembled antenna onto the mast.
 2. Ensure the antenna is vertical.
 3. Tighten the mast clamps securely.
 4. The X200 is designed for mast diameters of approximately 30–62 mm.
-

Finished Assembly Layout



Final Checks

- Verify all joints are tight.
- Confirm the radials are secure.
- Ensure the coax connector is fully tightened and weatherproofed with self-amalgamating tape.
- The X200 is factory tuned and requires no adjustment. If SWR is high, the cause is usually a connector, coax, or assembly issue rather than the antenna itself.