

THE SX10 FEATURING...

ORBITRON Quality

Orbitron's dedication to quality has produced a relatively low priced, high performance antenna, the SX10. The following features all play their part in the creation of the precision SX10 antenna:

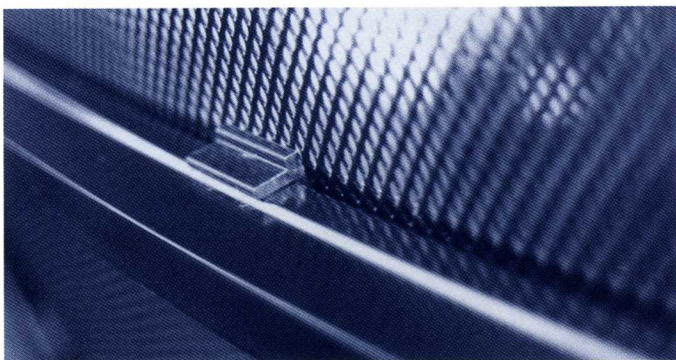
The superior TI rejection shown by the SX10 is due to the antenna's relatively deep dish design. The absence of Terrestrial Interference helps to provide the picture quality Orbitron is known for.

Parabolic stressed frame construction is a primary element in Orbitron's production of a precision C/Ku antenna. Stressed frame construction is dependent on the relationship between the design of the antenna ribs and the method of attaching them to the hub and perimeter ring. After the ribs are fastened to the perimeter ring the hub is tightened, resulting in increased tension on the ribs. This forms a rigid, true parabolic antenna.

The steel "quick hub" allows speedy, single wrench assembly. The hub assembly holds all 18 extruded aluminum ribs in place for the forming of an accurate, parabolic antenna.

A sturdy button-hook feed support provides precise centering of the feed horn.

Die forming of expanded aluminum mesh forms a parabola into the mesh. These double curvature mesh panels help assure the parabolic accuracy necessary to provide sharp C/Ku reception.

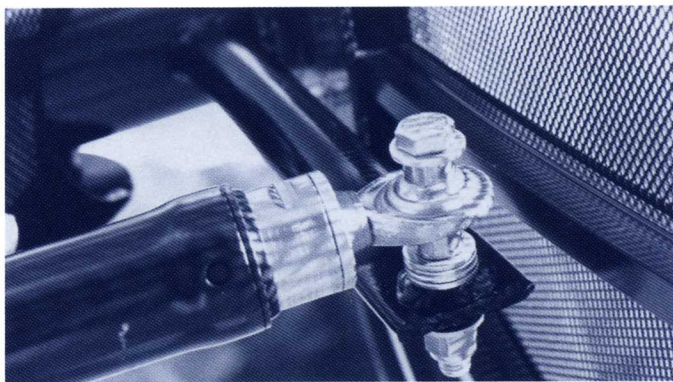


A close-up view of Orbitron's Mesh-Lok design shows how the mesh clip holds the mesh panel in place and how the mesh fits into the rib groove.

The mesh-lok rib design used on the SX10 forces the mesh against the top of the rib groove for better mesh retention. Aluminum clips then snap into the bottom of the mesh grooves to lock the mesh in place.

Built-in rib connectors are located in the end of each rib. These encapsulated square nuts speed assembly. The use of a single $\frac{5}{16}$ " bolt connection instead of sheet metal screws at the perimeter to rib connection is an important element in giving Orbitron antennas their strength and accuracy.

"Spinclination", an innovation unique to Orbitron antennas, allows accurate and precise declination setting. This is done by simply rotating the antenna to the correct latitude setting on the polar tube declination scale.



A close-up view of the attachment of the actuator to the actuator arm.

A baked-on, black powder coat finish is used on all parts of the SX10. This coating offers excellent protection from rust and corrosion under extreme weather conditions.

A five year limited warranty covers defects in material and workmanship. Orbitron's commitment to quality extends past the sale of the antenna.

Orbitron antennas are UPS shippable in the USA or Canada.



Orbitron's horizon-to-horizon mount, shown here, is an available option for this and other Orbitron antennas.

An optional horizon-to-horizon mount is available for the SX10. This mount is capable of interfacing with all popular receivers and features ± 0 to ± 14 degrees pointing accuracy. The mount has snow dumping capability and will not freeze up in winter.