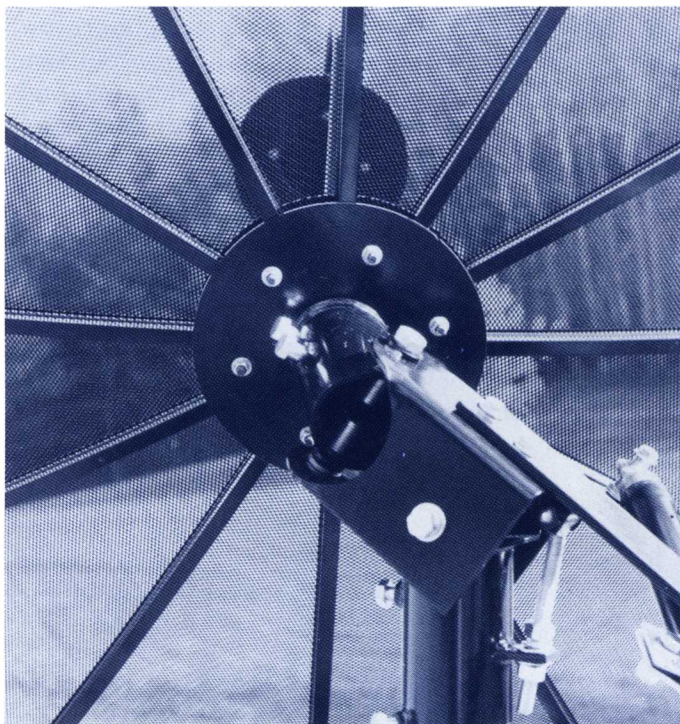


# THE SX8.5 FEATURING...

## ORBITRON Innovation

*Orbitron innovation has produced a relatively small, sturdy, high performance antenna that provides superior reception. Contributing to the success of the SX8.5 are the following features:*

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



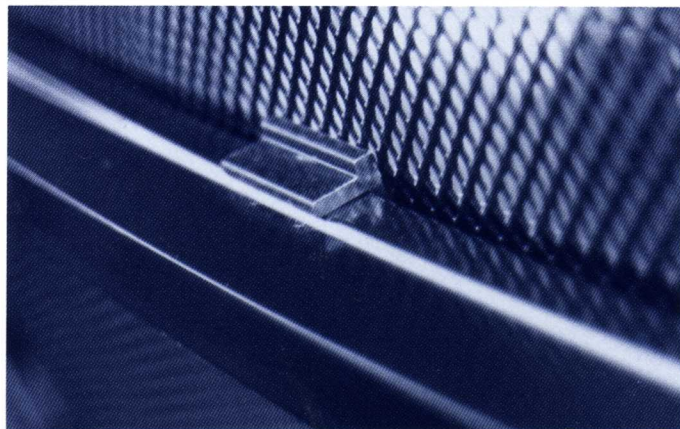
*A rear view of the SX8.5 showing the polar mount, hub, and feed.*

The steel "quick hub" allows speedy, single wrench assembly. The hub assembly holds the center of all 12 extruded aluminum ribs in position, forming an accurate, parabolic antenna.

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

"Spinclination", another innovation unique to Orbitron, 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.

Die forming of expanded aluminum mesh forms a parabola into the mesh. These double curvature mesh panels help insure 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 of the SX8.5 forces the mesh against the top of the rib groove for better mesh retention. Clips then snap into the bottom of the mesh grooves to lock the mesh in place.

A baked-on black powder coat finish is used on all parts of the SX8.5. This coating offers excellent protection from rust and corrosion under extreme weather conditions.

An optional horizon-to-horizon mount is available for the SX8.5. This mount is capable of interfacing with all popular receivers and features  $\pm 0$  to  $.14$  degrees pointing accuracy. The mount has snow dumping capability and will not freeze up in winter.



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

Orbitron antennas are UPS shippable in the USA or Canada.

A 5 year limited warranty covers defects in material and workmanship.

# ORBITRON

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