

Altra™

Auto Positioning Antenna System

Features

Automatic Operation

- GPS-interfaced embedded control provides automatic alignment of the directional antenna and greatly simplifies operation
- Automatic alignment with the receive site
- Automatic tracking of airborne downlinks

Designed for Mobile Applications

- Compact, lightweight system
- High gain directional antenna
- Built-in continuous rotation positioner
- Aerodynamic radome

Remote Control Operation

- Remote control of all functions
- NSI MC5 *Auto Link™* function automatically sets up the live shot at the touch of a button



Automatic Antenna Alignment

The Altra™ represents the state-of-the-art in auto positioning antenna systems. Specifically designed for mobile operations, it is a compact, lightweight system that incorporates a directional antenna and continuous rotation positioner encapsulated within an aerodynamic radome. At the heart of the Altra™ is a GPS-interfaced embedded control, which provides automatic alignment of the directional antenna and greatly simplifies operation.

Ideal for transmit as well as receive applications, the Altra™ combines the superior performance of a directional antenna with the ease of operation associated with an omnidirectional antenna.

Transmit Applications

Altra™ reduces setup time by automatically aligning its directional antenna with the receive location. The operator simply selects the desired receive site and the Altra™ transmit antenna aligns automatically.

Receive Applications

The Altra™ is also ideal for mobile receive applications, such as the automatically tracking an airborne downlink. Operationally, it uses telemetry from the incoming downlink to automatically steer its directional antenna. An automatic acquisition feature further simplifies the tracking function.

Remote Control Operation

The Altra™ can be remotely controlled by the NSI MC5 - adding a whole new dimension to mobile operations. This advanced capability takes the microwave setup activities out of the truck and allows a single operator at the studio to control both ends of the microwave link. It also allows remote vehicle operations by a single-person crew.



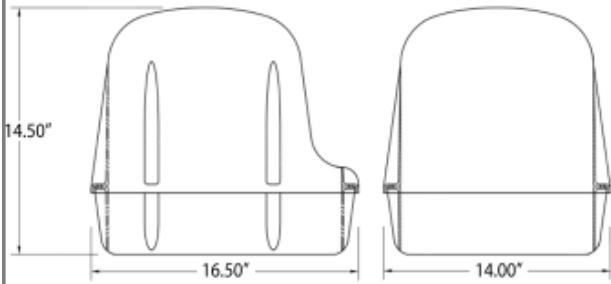
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Antenna

Frequency	Gain	Az HPBW	EI HPBW
2-2.5 GHz	15 dB	30 deg.	30 deg.

Positioner

Pan Range:	Continuous (no limits)
Drive System:	Worm gear direct drive
RF Rotary Joint:	Included



Specifications subject to change without notice.

