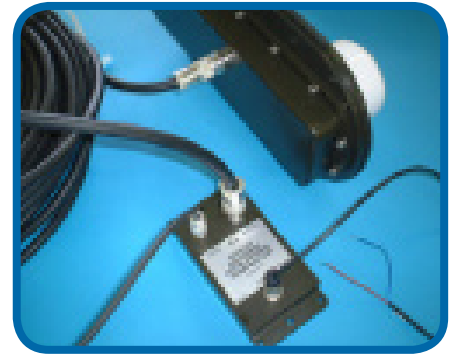


# Iridium Active Antenna



Antenna Power Head



Power Break In Box

## **Iridium AD510-10 Active Antenna**

The Active Iridium Antenna is designed for use where long cable runs are required, far beyond the distances achievable with a standard passive device. The AD510-10 is supplied with a flexible 40m RG213U coax cable, however bespoke lengths of up to 120m are possible, subject to coax cable type.\*

The AD510-10 provides superior performance with all the Iridium series satellite phones for external mounting in harsh or marine environments. The radomes are 4 mm GRP/polyester mix whilst the base is milled from hard anodised aluminium, giving an attractive green finish, which is mechanically resilient and resistant to corrosion. The unit is designed for free air mounting and no ground plane is required.

# Iridium Antenna

## AD510-10

### Specifications - Antenna Head

- Dimensions  
- 310x150x120mm (LxWxH)
- Weight  
- 3.2kgs (including bracket)
- Operating Temperature  
- -40 to +85 degrees C
- Connector  
- N female
- VSWR  
- < 2 : 1
- Frequency  
- 1610 - 1630 Mhz
- Polarisation  
- right hand circular
- Antenna Type  
- RHCP dipole
- Inter Digital Filter Bandwidth  
- 12 Mhz (Rx)
- Power Requirements (PSU not included)  
- External power source +9 to 36 VDC  
- Max 500mA current



AD510 - 10

### Specifications - Power Break In Box

- Dimensions  
- 140x70x45mm (LxWxH)
- Weight  
- 0.4kgs
- Connectors  
- TNC female (rf in), N female (rf out), 2 pin screw female (dc in)

Supplied as standard with mounting bracket and 40 metres of RG213U, 10.4mm diameter cable. Additional lengths available - pricing on request\*

Includes 1 meter interconnection coaxial lead for Iridium phone to antenna connection and power lead. Antenna Head is powered via the coax cable from a 12/24 volt dc supply connected to the break in box (DC power supply not included).

Mounting bracket is made from heavy duty alloy, vertical or horizontal pole mount up to 60mm - supplied with stainless U bolts and nuts.

\* The AD510-10 must retain a constant loss characteristic over the length of the coaxial cable to remain with specification for use on the Iridium system. All cable lengths and therefore type, aside from the standard 40m offering, must be stated and supplied by AST together with the AD510-10 antenna.