



# Iridium Active Antenna - AD-511

## OVERVIEW

AD-511 Iridium Active Antenna is designed to allow Iridium installations with up to 160 meters of coaxial RF cable, without any degradation of performance, compared to only 30 meters maximum for a standard passive antenna device.

These extended cable lengths offer the ability to provide Iridium installations on ships and land where previously an Iridium solution could not operate.

AD-511 is supplied without coaxial cable as standard, but allows pre-set lengths between 27 and 160 meters subject to use of the correct, manufacturers specified coaxial cable.

NOTE: use of the incorrect cable at the specified length or shortening of the cable supplied can damage the antenna and invalidate the warranty.

## QUALITY

AD-511 provides extreme ruggedness and reliability, backed by an exclusive 3 year warranty. It is manufactured from an anodised hard aluminium bottom case and a pressure moulded GRP radome to provide a sealed, dust and water resistant antenna.

## IN THE BOX

Package consists of Active Antenna head with heavy duty alloy mounting bracket and Power Break-In Box. This is designed to sit close to the Iridium phone device and requires a DC power input between 18 and 36vdc (Power supply not included). A 1meter coaxial lead is supplied to connect the Iridium phone device to the Power Break-In Box.



## Specifications

Dimensions (excl mounting bracket):	240x85x70mm
Weight(excl mounting bracket):	0.8kg
Operating Temperature:	-40 to +85 degrees C
Antenna Head Connection:	N Type
Frequency:	1610 – 1630MHz
Polarisation:	Right Hand Circular
Antenna Type:	RHCP Dipole
Ceramic Filter Bandwidth:	25MHz (Rx)
Operating Voltage:	+18 to 36Vdc (nominal 24Vdc)
Current (max):	500mA