

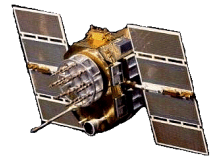


ISO 9001:2008/FAA Approved Facility

Antenna Mounts: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

IRIDIUM Antenna, P/N: 11IR16RR-P-XB-X Rev D

1.36" Diameter x 9.8" Tall, C130/Sextant Port with 2 Lock-Pin Configuration with BNC, TNC, SMA or N Connector Options



ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

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REVISIONS		DATE	APPROVED
B	ADD ON BNC Connector Option	OCT-20-08	S.H
C	1 LOCKING PIN	NOV-24-08	S.H
D	2 LOCKING PIN	JAN-20-09	S.H

ELECTRICAL:

FREQUENCY (MHz):	(1575.42 ±15)	(1542.50 ±17.5)	(1642.50 ±17.5)	(1602-1616)	(1610-1626)	(1227.60 ±15)
GAIN (dBi) in FS/4R GP	L1 GPS	Rx INMARSAT	Tx INMARSAT	GLONASS	IRIDIUM	L2 GPS
@ 90° (Zenith):	+1.1/+3.7	+0.7/+1.5	-0.3/0.0	+0.5/+2.9	+0.1/+1.1	-5.0
@ 10° Elevation :	-0.9/+0.0	-1.6/-1.3	-1.9/-1.0	-1.3/+0.2	-1.6/-0.8	-6.5 to -11.5
@ 20° Elevation :	-0.2/+2.0	-0.8/+1.0	-1.1/+1.2	-0.5/+2.4	-0.8/+1.2	-6.2 to -9.2
@ 30° Elevation :	+0.3/+2.0	-0.2/+1.0	-0.8/+0.4	+0.1/+2.1	-0.7/+1.1	-5.7 to -7.7
@ 45° Elevation :	+0.6/+1.5	+0.3/+0.6	-0.7/-0.8	-0.1/+1.0	-0.3/-0.3	-4.6 to -6.0
@ 70° Elevation :	+0.3/+1.3	+0.3/+0.4	-1.6/0.0	-0.3/+1.1	-0.7/0.0	-4.0
BEAM WIDTH (3dB)	173/155 Deg.	173/155 Deg.	180/162 Deg.	180/162 Deg.	180/162 Deg.	(107 to 170) Deg.
AXIAL RATIO (dB)	1 to 3	1 to 3	1 to 3	1 to 3	1 to 3	1 to 5
RADIATION PATTERN:	HEMISPHERICAL					
POLARIZATION:	RHCP					
VSWR:	< 1.5:1					
DC GROUNDING :	YES (LIGHTNING PROTECTION)					

MECHANICAL:

SIZE: DIAMETERS = 1.36in [35mm], 2.6in [64mm]
HEIGHT = 9.824 in. [249 mm]

WEIGHT: 9.8 oz. (277 g)

FINISH: SKYDROLRESISTANTPOLYURETHANEENAMEL
BASE IRIDITE PER MIL-C-5441

COLOR: GLOSS WHITE #17925PER FED-STD-595B
LUSTERLESSGRAY#36320PER FED-STD-595B
OLIVE DRAB GREEN#34031PER FED-STD-595B
LUSTERLESSBLACK#37038PER FED-STD-595B

MATERIAL: 6061-T6ALUMINUMALLOY BASE
COMPOSITE RADOME,IMPACT,ABRASION,UV, SOLVENT,
AND SKYDROLRESISTANCE,FIRE RETARDANT

CONNECTOR: BNC CONNECTOR,
(OPTION: TNC, SMA, N, N Bulkhead,MCX, MMCX)

MOUNTING: FLAT, OR FIXED PIPE (3/4"-1.0" Dia.) MOUNT (PROVIDED)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]

ALTITUDE: 70,000ft.

VIBRATION: > 30 G's

WIND SPPED: > 135 Miles/hr

LEAKAGE: HERMETICALLYSEALED

FEDERAL & MILITARY SPECIFICATIONS

DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541,
MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

CONFIGURATION: POLARIZATION: LNA: CABLE LENGTH CONNECTOR COLOR

1: 2" SQ. (FLAT) LL: TX: LHCP, RX: RHCP A1: WITH +34 dB LNA X: NO CABLE S: SMA, P: PINS -1: GLOSS WHITE #17925PER FED-STD-595B

1.9: 1.9" SQ. (FLAT) LR: TX: LHCP, RX: RHCP M: WITH MAG. MOUNT M: MCX, MM: MMCX -2: LUSTERLESS GRAY #36320PER FED-STD-595B

2: 2.6" DIA. (FLAT) RL: TX: RHCP, RX: RHCP # CABLE LENGTH (IN) N: N, NB: N Bulkhead -3: OLIVE DRAB GREEN #34031PER FED-STD-595B

3: 3.5" DIA. (FLAT) RR: TX: RHCP, RX: RHCP R: RIGHT ANGLE CON. T: TNC; TB: TNC- Bulkhead -4: LUSTERLESS BLACK #37038PER FED-STD-595B

4: MINI ARINC (FLAT) B: BNC Female

53: (HELIX ROD)

5B: (HELIX BLADE)

3D: (HELIX HANDHELD)

91: (HELIX Sextant Port)

QUANTITY	DESCRIPTION	PARTS LIST	PART NO	FINISH	REF
1					5
1					4
1					3
1					2
1					1

NOTES: UNLESS OTHERWISE SPECIFIED:
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
2. ALL SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

P/N: 11IR16RR-P-XB-4

NMO Connector Option is Now Available for Some Antennas