

7m Integrated Antenna Mast (IAM)

- 30-88MHz and 225-512MHz
- VHF and UHF Capability Integrated into Dual Band Mast
- Fast, Compact, Lightweight, Effective Solution for Dismounted Communications

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System Name	7m IAM Dual Band System	7m IAM VHF System
System Part Number	ANT-RTL-307005-1-1	ANT-RTL-307003-1-1
Frequency Range	VHF 30-88MHz UHF 225-512MHz	30-88MHz
Power Rating	VHF 30W UHF 50W	VHF 30W
Impedance	50 Ohms nominal	50 Ohms nominal
VSWR	VHF <2.8:1 UHF <2.0:1	VHF <2.8:1
Antenna Format	Vertically Polarised Dipole	Vertically Polarised Dipole
Radiation Pattern	Omnidirectional	Omnidirectional
Deployed Height	7m (22.3 ft)	7m (22.3 ft)
Deployed Tube ID	78mm (3")	78mm (3")
Packed System Volume (W x H x D)	280 x 280 x 400mm (11" x 11" x 16")	280 x 280 x 400mm (11" x 11" x 16")
Packed System Weight	8.2kg (18lbs)	8.2kg (18lbs)
RF Connection	VHF – 3m length TNC (m) UHF – 3m length TNC (m)	VHF – 3m length TNC (m)
System Contents	1 x 7m 76mm (22.9' 3") Integrated Antenna Mast System 1 x Top Collar 3 x Top Collar Guy Ropes 1 x Secondary Collar 3 x Secondary Collar Guy Ropes 1 x Base Cap 1 x VHF Connection Cable 1 x UHF Connection Cable 9 x Rock Pegs 2 x TNC (f) to BNC (m) Adapters 2 x TNC (f) to N-Type (m) Adapters 1 x Bag	1 x 7m 76mm (22.9' 3") Integrated Antenna Mast System 1 x Top Collar 3 x Top Collar Guy Ropes 1 x Secondary Collar 3 x Secondary Collar Guy Ropes 1 x Base Cap 1 x VHF Connection Cable 9 x Rock Pegs 1 x TNC (f) to BNC (m) Adapters 1 x TNC (f) to N-Type (m) Adapters 1 x Bag
Construction & Finish	Mast Body: PP-glass fiber composite with integrated dipole antenna External Finish: Nylon woven fabric cover (Cordura 500 denier)	
Environmental	Compliant with the relevant sections of MIL-STD-810G	



We are an expeditionary communication solutions provider actively answering customer challenges and delivering innovative and cost-effective solutions.

