

3.5m Squad Integrated Antenna Mast (IAM)

- Effective RF Range Extension for HandHeld and ManPack Radios 30-300 MHz
- Fast, compact, lightweight, effective solution for dismounted communications
- VHF capability integrated into mast construct

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System Name	3.5m Squad Integrated Antenna Mast (IAM)	
System Part Number:	ANT-RTL-203500-1-1 (Multicam)	
Deployed Height:	3.5m (11.5')	
Deployed Tube ID:	51mm (2")	
Mast Rolled:	150 x 150 x 150mm (6" x 6" x 6")	
System Weight:	2.2kg (4.8lbs)	
Frequency Range:	30-300 MHz	
Radiation Pattern:	Omnidirectional	
Antenna Format:	Vertically Polarised Dipole Nominal Gain: 2.2 dBi	
VSWR:	30 – 50MHz <4:1 50 – 300MHz <3:1	
Power Rating:	25W using standard duty cycles and voice over radio transmit protocols	
Impedance:	50ohms nominal	
RF Cable:	Permanently fixed 1m length extending from base of mast (via strain relief clamp)	
Connection Type:	TNC (m)	
System Contents:	1x 3.5m Mast 6x Rock Pegs w/bag 1x Top Cap 1x TNC to N-Type Adaptor (m) 1x End Cap 1x TNC to BNC Adaptor (m) 1x Set of 3 Ropes 1x Synthetic Drawstring Bag	
Construct and Finish:	Mast Body: PP Glass Fiber composite with integral dipole antenna. External finish: Nylon woven fabric (Cordura 500 Denier).	
Environmental:	Compliant with relevant sections of MIL-STD-810G	



The 3.5m IAM packs into a compact roll weighing under 5lbs and is deployable in seconds. This brings unprecedented weight, volume, and time-savings to the dismounted service member. Usually hand-held or propped against vegetation or structures, the system also contains the accessories necessary to deploy the 3.5m IAM as a staked down mast.

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

