

## 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 225-215MHz	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 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.**



## Rolatube Military Products



### Rolatube 3.5" Squad & Team IAM Systems

The 3.5m Integrated Antenna Mast (IAM) is a groundbreaking omni-directional tactical communications antenna. The mast body is manufactured from a strong composite material with a highly efficient dipole antenna embedded in the construction. The user simply unrolls the mast, connects it to their radio and starts transmitting. The 3.5m IAM is extremely light and compact and weighs just 1.4kg with a packed size of 15cm x 15cm x 15cm. The mast can either be handheld, supported with guy ropes, or elevated via the rigging point. The 3.5m IAM enables dismounted personnel to quickly access high performance communication infrastructures in challenging environments and scenarios.

PTS Part Number: ANT-RTL-203500-1-1  
PTS Part Number: ANT-RTL-203501-1-1

SQUAD IAM – 3.5m 2" Multicam 30-300 MHz  
TEAM IAM – 3.5m 2" Multicam 136-470 MHz



### Rolatube Single and Double Mast Systems

The Rolatube tactical mast system is compact and may be used to deploy radio communications, data, and surveillance equipment at greater heights. Setup and recovered in minutes with minimum personnel. The mast system contains no moving parts to jam, freeze or that need maintenance. The Rolatube mast system has exceptionally low packed volume and is available in 2m, 3m, 5m and 7m heights in optional colors.

PTS Part Number: MST-RTL-305000-1-1  
PTS Part Number: MST-RTL-307000-1-1  
PTS Part Number: MST-RTL-305200-1-1  
PTS Part Number: MST-RTL-307200-1-1

Single Tube Mast - 5m 3" - Multicam  
Single Tube Mast - 7m 3" - Multicam  
Double Tube Mast - 5m 3" - Multicam  
Double Tube Mast - 7m 3" - Multicam



### Rolatube Single Mast Cage Systems

The Rolacage enhances the deployment of a 4" single tube mast. It enables either the 8m or 10m mast to be deployed faster and at variable heights up to the masts maximum adjustment. The Rolacage may be pegged to the ground or bolted to the deck of a vehicle or trailer and, if required, the mast may be stored in the Rolacage.

PTS Part Number: RLC-RTL-408000-3-1  
PTS Part Number: RLC-RTL-410000-3-1

Rolacage Mast - 8m 4" - Black  
Rolacage Mast - 10m 4" - Black



### Rolatube Tripod Systems

The Rolatube large rugged tactical tripod system is compact and portable and is designed for mounting and deploying surveillance technology. By adding an adaptor, it can also be used as a support for a Rolatube mast, removing the need for guy ropes where conditions allow. Strong and lightweight, a Rolatube large rugged tactical tripod system has a low packed volume as well as being easy and quick to deploy. Its inherent strength enables top loads of up to 30kg to be mounted making it suitable for a wide range of equipment requiring a stable platform.

PTS Part Number: TPD-RTL-201000-1-1  
PTS Part Number: TPD-RTL-202000-1-1  
PTS Part Number: TPD-RTL-203000-1-1

Tripod - 1m 2" - Multicam  
Tripod - 2m 2" - Multicam  
Tripod - 3m 2" - Multicam



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