

Antenna and Mast Packages For Rapid Deployment



Antenna and Mast Rapid Deployment Kits

Cobham is able to act as a single source supplier, offering combined antenna, mast and ancillary packages for rapid deployment.

Kits can be supplied in customer-defined cases, to suit specific needs and to meet required environmental standards.



Benefits

- Single source for combined antenna and mast package
- One supplier responsible for the entire package
- Combined antenna and mast expertise from one source
- Single point of contact for antenna, mast and ancillaries
- Mechanical interface between antenna and mast fully managed
- Optimal cable management solutions
- Wind loading accurately calculated and managed

Example Markets & Applications

- Tactical Communications
- Electronic Warfare
- Counter UAV
- Command & Control
- Point to Point
- Surveillance
- Emergency Services
- Disaster Relief
- Broadcast

Table of Contents

- Page 2-3 - Introduction
- Page 4-5 - Example Link16 Case
- Page 6 - Antenna Options
- Page 7 - Mast Options

Example: Link16 Antenna and Mast Kit

Featuring High Gain Omni Antenna, TR72/9.5-1.7 Mast and ancillary items packed in high grade transport case

Cobham has produced Antenna and Mast packages for Link16 applications that offer customers a complete rapid deployment kit.

Case

Standard or bespoke cases available to suit customer requirements. Example shown is a 2.1m mil-std case

Mast

• 5-10 metre lightweight telescopic composite mast. Example shown is a TR72/9.5-1.7 mast. Many other options are available

Antenna

Example shown is a Link16 omni-directional antenna with 7dBi gain designed for Tactical Communications

Case Fixings

- Hinged, non-removable lid
 - Specified hinges and fasteners
- Pressure equalisation valve

Example Ancillary Items

- The example shown includes Link16 band pass and notch filters
- Interface cables optimised for mast height and radio to antenna connection
- Lightning arrestor

Mast Accessory Kit

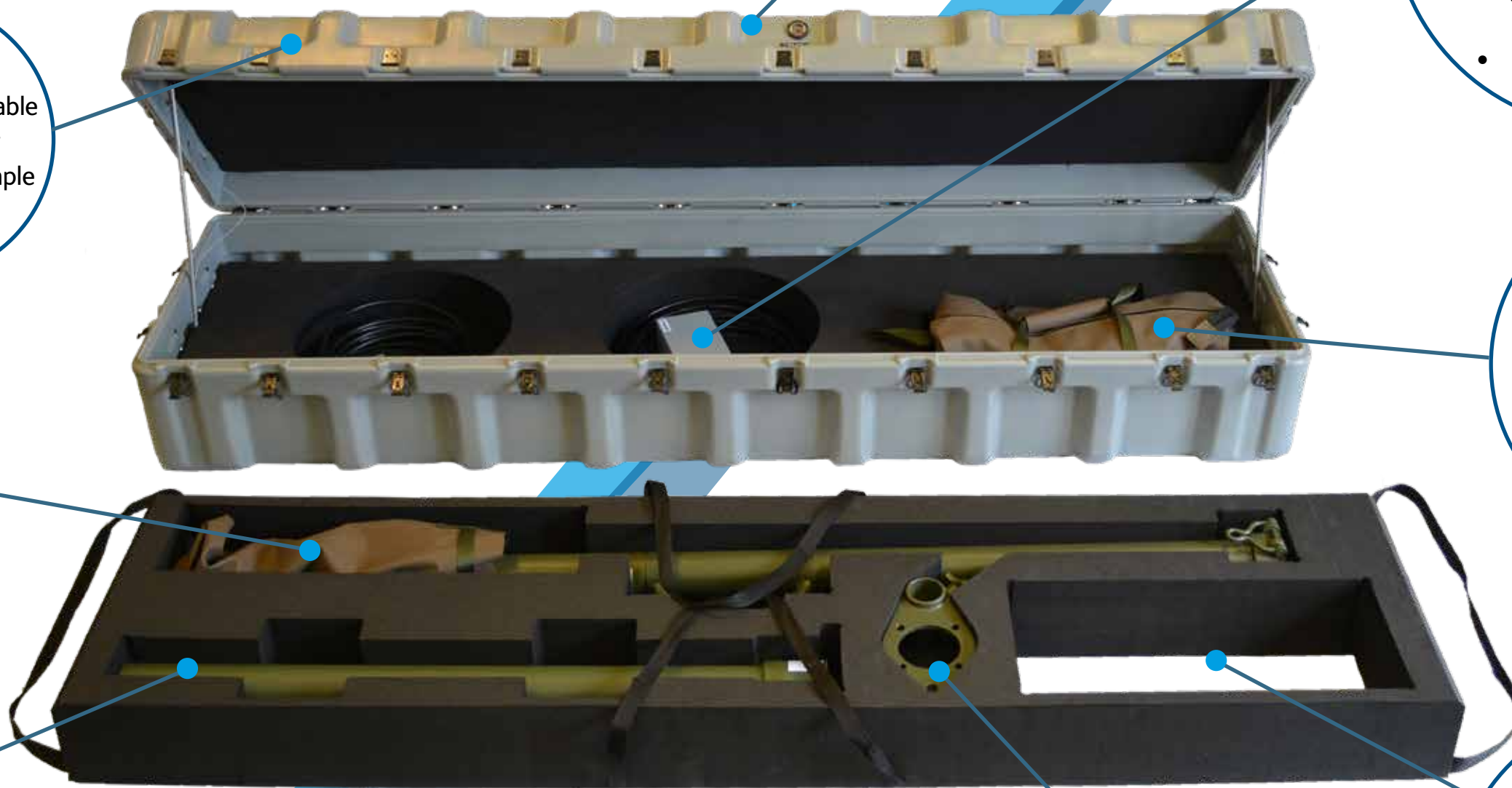
A custom set containing all the guying and pegging accessories required for this package.

Foam Inserts

- Custom cut foam inserts designed to offer full protection to all packaged items
- Top layer includes carry handles to allow for easy removal

Interface Brackets

Custom interface brackets to guarantee correct mounting of the antenna to the mast. Works "straight out of the box" every time



(The images above shows existing antenna and mast example kit. Bespoke kits can be ordered to suit other applications and scenarios.)

Antenna & Antenna Accessory Options

Cobham supply a range of rugged and field proven antennas accessories for Commercial, Military and Security applications.

Antennas and Accessories

Cobham has a range of over 2500 standard antenna products, accessories and mounting kits and regularly develops custom antenna solutions for customers. Many of the standard range of antennas can be supplied as part of an antenna and mast package where the system will benefit from having an elevated antenna.

The standard range of products includes omni-directional, directional and sector antennas covering the frequency ranges from 100MHz up to 27GHz. The company also specialises in more technically challenging antennas such as high power, wideband, helix and spiral technologies.

Accessories

To accompany the extensive range of Antenna and Mast packages Cobham can also offer a wide range of accessories such as Combiners, Dividers, Filters, Cables, Lightning Arrestors, Mounting Kits and Mast Interfaces to provide the complete solution.

Applications

Applications for Cobham’s antennas and masts include but are not limited to:

- Tactical Communications
- Electronic Warfare
- Counter UAV
- Command & Control
- Point to Point
- Point to Multi-Point
- Surveillance
- Emergency Services
- Disaster Relief
- Broadcast



Mast & Mast Accessory Options

Cobham has over 30 years experience and expertise in manufacturing telescopic, composite mast systems.

Lightweight Telescopic Composite Masts

Cobham’s telescopic masts are used extensively around the world and are proven to be fully operational after long exposure to harsh conditions including sand, dust, ice or snow.

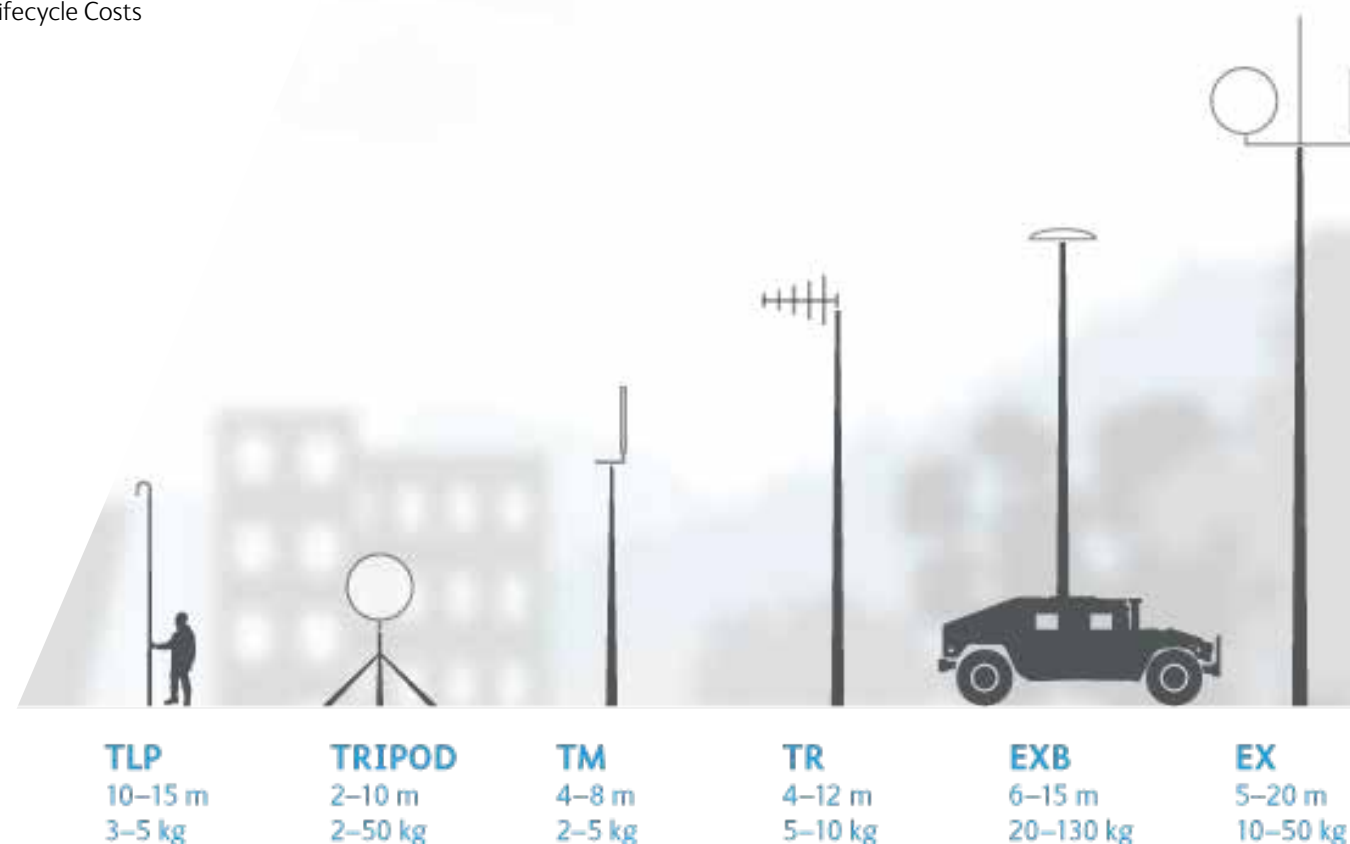
There are seven main product lines: TM-, TR-, EX-, EXL- and EXB-telescopic masts as well as telescopic lifting poles, tripods and accessories for deployment.

Masts are available from vehicle mounted unguyed masts to 50m stand alone field masts. Although not all masts will be available to be packaged along with antennas in a single case custom packages are still available to include antennas and correct antenna interfaces.

Benefits

Cobham’s range of masts provide superior performance, reliability and ease of use through the use of advanced composite materials and excellent design. Masts exceed the military’s requirements for maintainability and require very little servicing providing excellent through-life costs.

- User Friendly
- Lightweight
- Rugged
- Rapid Deployment
- Manual and Remote Control Interfaces
- Range of Guying and Mounting Accessories
- Low Lifecycle Costs



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