

MantaQuik

MANTAS Design Based on Open Architecture and Modularity

Payload and core component interfaces make it possible to integrate multiple sensor/comms kits to achieve either single or multi-role solutions

Quick connect interfaces for physical mounting, power and signal connections

Easily swap core components during maintenance or repair

Related components are grouped into waterproof LRU's (Line Replaceable Units) allowing the full hull to act as the ballast control device for multiple-mode operations



Preparing to mount to hull



Mounted to hull

LRU's are mounted on special hull rails connected using quick connect connectors

Includes configurable payload I/O module to accommodate a wide variety of payloads

Generally removed and replaced in less than 10 minutes

Allows for rapid exchange of sensors/comms kits, batteries and LRU components to ensure "Rapid Repair and Return-to-Service"

Maximizes in-field mission or payload application on-station time

Reduces maintenance and labor costs

Effectively double MANTAS ranges with optional spare battery LRUs