MMIST™

THE LEADER IN PRECISION AERIAL DELIVERY

Sherpa™

The most widely trusted family of GPS-guided aerial delivery systems.

Deployed from altitudes of greater than 29,000' MSL

Programmable HALO/HAHO

Compatible with paratrooper flight paths

- Operationally proven and deployed since 2003
- Selected by multiple US military services and over 25 countries

Sherpa™ Family	Payload Weight Range
Ranger	100 - 2,200 lbs.
Provider	100 - 10,000 lbs.

MMIST 3 Iber Road, Ottawa ON Canada K2S 1E6 Tel.: 613.723.0403 Fax: 613.723.8925 sales@mmist.ca www.mmist.ca

Featuring the ability to easily interface to multiple canopies, the Sherpa™ gives you the flexibility to precisely and cost-effectively deliver payloads ranging from 100 to 10,000 lbs.

Sherpa™

Common Modular Guidance Unit:

Sherpa™ Ranger/ Provider AGU

Payload: 100-10,000 lbs.

- MMIST 700 CANOPY = Sherpa 700 System Payload: 100-700 lbs.
- MMIST 1200 CANOPY = Sherpa 1200 System Payload: 400-1200 lbs.
- MMIST 2200 CANOPY = Sherpa 2200 System Payload: 700-2200 lbs.
- MMIST 10000 CANOPY = Sherpa 10,000 System Payload: 2200-10,000 lbs.
- G12 Parachute = Sherpa Steerable Round Payload: 501-2,200 lbs.

Dispatch Altitude and Range:

- Deployed from altitudes of greater than 29,000' MSL
- Significant zero-wind horizontal standoff
- Compatible with standard and high glide canopies

Landing: Multiple landing options available

- Three leg landing (into the wind)
- Safe cylinder
- User selectable approach heading
- Manual landing (optional)

LaunchPADS™ Multi-Mission Manager Compatible

- Full 2D/3D GIS map overlay
- Aircraft payload manager
- Real-time on-board Sherpa™ PADS health/status
- Aircraft payload manager
- Multi-lingual support
- Mission simulation & playback ability
- Meteorological dropsonde & cargo bay GPS re-transmission system (optional)

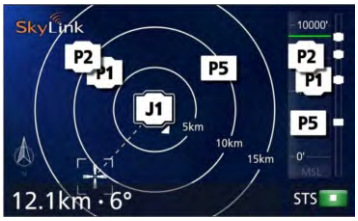
Guidance System

- Better than 100 meter CEP landing accuracy
- Autonomous GPS guidance
- HALO/HAHO: Opening altitude determined by GPS Altitude, Pressure Altitude or Time Delay
- Waterproof Guidance Unit
- Features the use of Waypoints and 'No-Fly' Zones
- Automatic Power-ON after dispatch if dispatched in an OFF state
- Certified for operating temperatures from -60°C to +60°C
- Multi-Constellation GPS Support: GALILEO, GLONASS, NAVSTAR (optional)
- 'Plug-in' SAASM GPS / INS guidance (optional)

Sherpa™ Provider 10,000 integrated with payload

SkyLink Compatible

- SkyLink provides situational awareness and manual control of the Sherpa system as required



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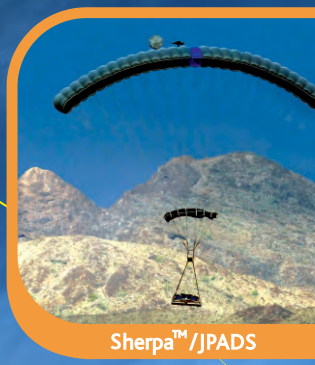
LaunchPADS™

Multi-Mission Manager

The cost effective Turnkey alternative to mission planning.

The LaunchPADS™ Advantage:

- Fully Integrated Cargo & Personnel Aerial Release Planning
- Full 2D / 3D GIS Map Overlay
- Real-Time On-Board Health Status Monitoring
- Lightweight PDA Mission Management
- Multi-Lingual Support
- Mission Simulation & Playback
- Multi-Parachute Support
- Fully integrated Payload Manager
- Wireless GPS Signal Distributor
- Wireless Gate Release System
- Easy Mission Support Equipment integration in less than 5 minutes
- Fully Integrated Wind Sonde System
- Based on 802.11 Technology



Sherpa™/JPADS

Rounds

Personnel

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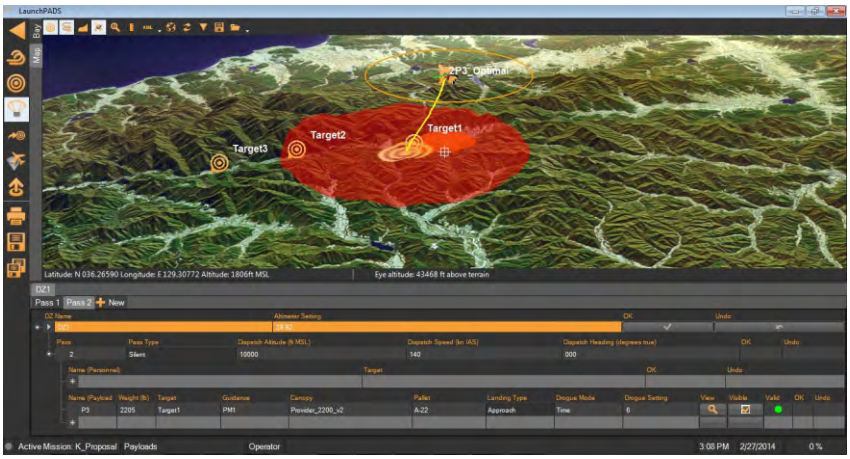
LAUNCHPADS MULTI-MISSION MANAGER

- Aerial release planning for Sherpa™/JPADS guided parachute systems
- Full 2D/3D GIS MapOverlay
- Real-Time On-Board Sherpa™ Health/ Status Monitor
- Multi-Lingual Support
- Aircraft Payload Manager
- Mission Simulation and Playback
- 802.11 Wireless / Wireline Mission Planning
- Interface to online weather forecasting systems
- Supports standard map imagery, scenery, and DTED



MULTI-PARACHUTE SUPPORT

- Conventional HALO rounds (time delay or selectable Baro pressure altitude)
- Low/High Velocity Rounds (G12, G11, LCLV, LCHV, LCLA)
- Personnel Parachutes
- Customer specific parachutes (Optional)

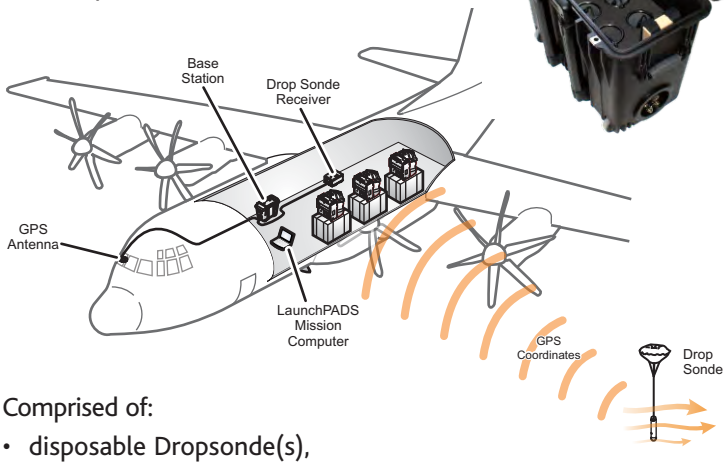
PAYLOAD MANAGEMENT

The Payload Management Module (PMM) works in conjunction with the Wireless Gate Release System:

- A self contained release mechanism activated wirelessly by the mission management system.
- When activated, the release disconnects the aft restraint and allows selected cargo to be dispatched.

MMIST WIND SONDE SYSTEM

The Wind Sonde Module (WSM) allows aircrews to obtain precise meteorological data moments before airdrop, allowing them to determine and/or refine the release points for their specific cargo or personnel.



Comprised of:

- disposable Dropsonde(s),
- aircraft based wireless Dropsonde Receiver and Base Station

WIRELESS PDA MISSION MANAGEMENT

- Lightweight interface for Loadmasters and Operators
- Provides a simple 'one-to-many' interface.
- Easily load mission planning data, review and update mission parameters.
- Remotely monitor system status in real time.

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SkyLink™

Parachutist Navigation and Situational Awareness System

- *All weather day/night insertion*

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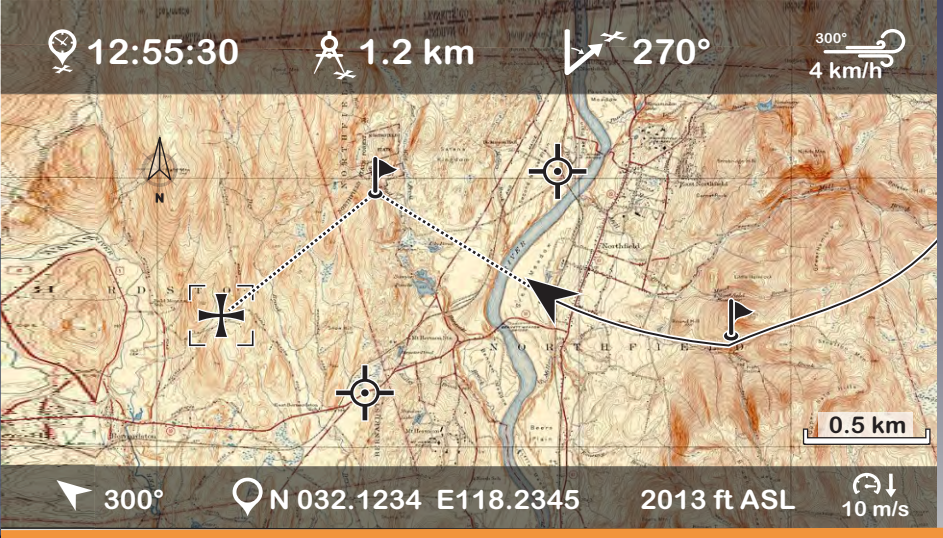


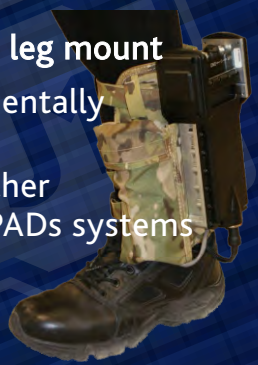
Featuring the ability to work as a standalone system or in conjunction with the Sherpa™ family of GPS-guided parachute systems

Mounting Options

- **M.O.L.L.E. Base PAD**
  - 4-Point harness connection
  - 3 Quick connectors
  - Emergency jettison feature
- **M.O.L.L.E. PICO-MV Plate Carrier**
  - Fits standard SAPI and ESAPI plates
  - 3 Quick connectors

Radio Options

- **Soldier Portable Radio**
  - MBITR JEM Compatible
- **SkyLink™ Node (RF station) with leg mount**
  - Lightweight, rugged, environmentally sealed module
  - Acts as a data link between other SkyLink™ Jumpers or Sherpa™ PADs systems



LaunchPADS + Sherpa Compatible

Basic Features

Navigation Module:

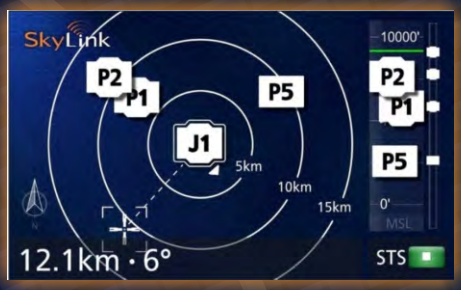
- Position, speed, and altitude
- ETA, distance and azimuth to target
- Realtime wind information
- Wind Line display
- Embedded compass

Moving Map:

- Compatible with map imagery, DTED, and scenery files

Radio Enabled Options

Team Situational Awareness & Command



Proximity Alarms: Receive collision avoidance proximity alerts

Mission Target Retask: Jump team can select alternate targets on the fly for team or Sherpa™ PADS

Ground Station: Available for Ground Monitoring, Command and Control

Remote Control Module:

- Provides manual control (when required) of the Sherpa™ during flight

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