



## MISTRAL MANPADS

THE LIGHTWEIGHT MISTRAL LAUNCHER  
PORTABLE & EASY TO USE



**MISTRAL MANPADS is a flexible and versatile man-portable launcher dedicated to the deployment of the combat-proven MISTRAL 3 fire-and-forget VSHORAD missile on ground, on vehicles or on a naval vessel.**

The MISTRAL MANPADS launcher is extremely simple to operate as the missile is fire-and-forget. The gunner only needs to detect the target through the thermal sight, activate the MISTRAL missile, and fire once the MISTRAL seeker is locked on the target.

MISTRAL MANPADS effectiveness, relying on terminal accuracy and high lethality, is independent from operators skills and training level, while beam-riding systems request accurate constant aiming of the target.

Seated position of gunner provides stability and precision for easy target designation, whatever target characteristics, high crossing speed, high elevation or manoeuvres. Moreover, as MISTRAL is fire-and-forget, once the missile leaves the launcher, the firing team is ready to move on another position or reload to engage a new target.

Two operators need less than 60 seconds to one fully equipped MANPADS. Reloading of a missile takes less than 30 seconds.

### Operational key features

- Ready to fire in less than 60 seconds
- Reloading in less than 30 seconds
- Discreet and easy to deploy whatever the environment (mountain, roof top, urban environment, forest etc)
- High mobility

The stability of the tripod and comfortable seating position ensure the gunner has:

- better accuracy and detection capabilities
- reduced fatigue, to maintain a high level of readiness throughout the mission



# GROUND BASED AIR DEFENCE

MBDA contacts

1 av. Réaumur  
92350 Le Plessis Robinson  
France  
Tel: +33 1 71 54 10 00  
www.mbda-systems.com



## Technical characteristics

- Tripod weight: 22.5kg
- Unlimited bearing x360°
- Elevation aiming from -15° to +60°
- Transportable folded with backpack
- Equipped with Infrared and visible thermal sight
- Day/night capability
- High autonomy – 24/7 with centralised batteries
- MISTRAL missile information displayed in thermal sight
- Deployable in standalone or coordinated with MBDA LICORNE C<sup>2</sup>
- Weapon terminal for team leader:
  - Display thermal sight image
  - Video recording for training, operational post analysis and proof
  - Display of the tactical situation and manage exchanges with MBDA LICORNE C<sup>2</sup>
- IFF capability option

## Missile characteristics

- Fire-and-forget
- First VSHORAD missile with IR matrix imager
- 20 years lifetime without maintenance
- Over 96% kill probability – demonstrated on operations
- Immune to all known IR countermeasures

**Length:** 1.88m (incl. launch motor)  
**Weight:** less than 20kg  
**Maximum diameter:** ~92mm  
**High manoevrability:** up to 30g  
**Interception range:** up to 8,000m  
**Interception altitude:** up to 6,000m  
**Min. interception range:** 500m

- High supersonic speed – short interception time
- 3kg warhead coupled with laser proximity and impact fuze
- Qualified for use in extreme conditions -40°C to +71°C

