



MISTRAL ATLAS RC

VEHICLE MOUNTED REMOTE CONTROLLED AIR DEFENCE SYSTEM

Mistral ATLAS RC is a new Mistral system based on a remotely controlled turret, equipped with two Mistral missiles and a latest generation thermal sight, capable of being mounted on light armoured vehicles such as the URO VAMTAC ST5, or the NIMR Ajban 440.

Whilst the standard Mistral ATLAS RC system is a manually operated twin missile launcher, the new Mistral ATLAS RC system provides greater protection to the crew, since it can be operated from within the vehicle's cabin or, remotely, through a state-of-the-art fully mobile workstation. Its 360° revolving, motorised turret is easy to operate, provides an optimised operational capability while at the same time keeping costs to a minimum.

Mistral ATLAS RC is compatible with all versions of the combat proven Mistral missile and benefits from its many performance advantages. Mistral ATLAS RC is MBDA's response to today's requirements for a weapon system that combines high fire power, short reaction time, day/night surveillance and engagement capabilities, tactical and strategic mobility, together with a high level of crew protection. The system can be integrated into a coordinated fire control network and adaptable to any communication system chosen by the customer. The system has been designed to minimise crew workload and number (it can be operated by one single soldier), to be easily integrated on a wide range of high mobility armoured or non-armoured combat vehicles and to be air transportable on aircraft such as the A400M and C130.

Operational advantages

- Fire-and-forget
- Ease of operation

Mistral is a man-portable, fully digital, heat-seeking missile, designed to meet the requirements of all branches of the armed forces. It boasts a 96% proven success rate and higher reliability than any other existing low-level air defence missile. The missile integrates a full imaging seeker enabling high resistance to IR countermeasures as well as engagement of low IR signature targets, and a large warhead of 3kg associated to a laser proximity fuze.

GROUND BASED AIR DEFENCE

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Effectiveness

- High kill probability
- Very high speed (930m/s and manoeuvrability up to 30G)
- Efficiency guaranteed against all types of targets, including high speed and highly manoeuvring combat aircraft as well as helicopters

Flexibility

- Day and night
- Deployable in standalone or in coordinated mode
- Qualified in severe weather conditions (-40°C to +71°C)
- Easy to integrate on a large range of vehicles

Ease of operation

- Fire-and-forget engagement mode
- Simple training with indoor simulator and in-the-field training system

Missile characteristics

Weight:	19.7kg
Length:	1.86m
Diameter:	90mm
Max. intercept range:	6.5km
Min. intercept range:	500m

