



SIMBAD-RC is an anti-air self defence system operating the very effective fire-and-forget MISTRAL missile. It is capable of providing the primary self defence capability for all warships or of complementing the main air defences of first rank warships.

SIMBAD-RC provides an extremely effective defence capability against all threats (anti-ship missiles, aircraft, helicopters as well as asymmetric surface threats). It has been optimised to handle a multi-threat scenario.

Thanks to its very small footprint, SIMBAD-RC can be installed on board a wide range of ships, from patrol boats up to support ships. It has been designed to conform to different combat system capabilities, from stand alone to fully integrated.

Being fully controlled by a single operator from inside the vessel, the SIMBAD-RC system offers **24/7 operational capability even in adverse weather conditions and very high sea-states**. The system is ideally suited therefore for ships with low manning..

Outstanding capability of the system results from:

- **MISTRAL fire-and-forget missiles allowing for fast re-engagement after launch**
- **The turret can be directly slaved to the ship's radar or electro-optical system**
- **Autonomous tracking and identification with thermal camera**
- **Short system reaction time**
- **Fast and easy re-loading at sea**

MISTRAL missiles

- **Remotely Controlled**
- **Low manning**
- **High reactivity**
- **24/7 operation**
- **Easy integration**

SIMBAD-RC
REMOTELY CONTROLLED
NAVAL MISTRAL
LAUNCHER



SEA

MBDA Contacts

Sales and Business Development
1 avenue Réaumur
92358 Le Plessis-Robinson cedex - France
Tel. + 33 (0) 1 71 54 10 00
Fax + 33 (0) 1 71 54 00 01
salesenquiries@mbda-systems.com

www.mbda-systems.com



System configuration

- One or two lightweight automatic turrets each loaded with two MISTRAL missiles
- Embedded gyro-stabilisation
- Turret equipped with a double field of view thermal camera
- 1 dedicated compact terminal which can manage up to two turrets interfaced with the ship's Combat System or surveillance sensors.
- Simplicity of operation, low training and maintenance.

MISTRAL's main features

- Lightweight fire-and-forget missile
- Passive IR homing guidance
- Proportional navigation guidance
- Control by canard fins
- Higher accuracy and efficiency
- Fire-and-forget (no need for man in the loop)
- No dedicated fire control system on board
- High speed missile - short time to intercept

Naval warfare capability

Especially designed for modern naval warfare, MISTRAL can cope with:

- Sea skimming and manoeuvring anti-ship missiles
- Fighter aircraft
- Helicopters
- Small surface craft

Outstanding success rate demonstrated during user firings is due to:

- Outstanding sea and ground clutter rejection by the MISTRAL seeker
- Low altitude interception with a specific trajectory shaping profile
- Mistral terminal effectiveness: outstanding guidance accuracy - proximity and impact fuzes - 3 kg focused fragmentation warhead

Name

- SIMBAD-RC

System characteristics

- **Weight:** 480 kg
- **Bearing:** +/- 160°
- **Elevation:** -30° + 55

Missile characteristics

- **Weight:** 19.7 kg
- **Length:** 1.86 m
- **Diameter:** 90 mm
- **Maximum speed:** Mach 2.5

