



SIMBAD-RC is a short-range, anti-air self defence system deploying two fire-and-forget MISTRAL missiles. It has been designed to provide a primary self defence capability on all warships or to complement the main air defences of first rank warships.

Featuring an automatic launcher remotely controlled from an interior terminal, SIMBAD-RC is ideally suited for ships with low crew numbers and for modern ship design requirements, particularly those relating to stealth and very fast craft concepts.

SIMBAD-RC provides an extremely effective defence capability against all threats including anti-ship missiles, combat aircraft, UAVs, helicopters, as well as small surface threats such as those presented by FIACs.

The basic system configuration comprises:

- One or two lightweight gyro-stabilised turrets loaded with two MISTRAL missiles and equipped with a thermal and large field of view CCD (optional) cameras
- One dedicated compact terminal (SMU-RC) which can manage up to two turrets, interfaced with the ship's Combat System or surveillance sensors.

Depending on ship size and/or crew requirements, SIMBAD-RC offers a range of turret/SMU-RC configurations and system integration schemes. Being entirely operated by one interior-located operator, the SIMBAD-RC system offers high AVAILABILITY in all weather and sea conditions.

High EFFICIENCY and rapid reaction time are assured by:

- MISTRAL fire-and-forget missiles allowing for fast re-engagement after launch
- The turret can be directly slaved from the ship's radar or EOS
- Less than 5 seconds between missile preparation and firing
- Fast and easy re-loading

Legacy SIMBAD firing units can be easily upgraded to the SIMBAD-RC (same on-deck footprint and mechanical interfaces).

- **MISTRAL missiles**
- **Remotely controlled**
- **High reactivity**
- **High operational availability**
- **Easy integration**

SIMBAD-RC

REMOTE CONTROL NAVAL
LIGHTWEIGHT TWIN LAUNCHER
FOR SHIP SELF-DEFENCE



SEA

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MISTRAL is a lightweight, fully digital, heat-seeking missile, designed to match the requirements of all forces.

Guidance

- Passive IR homing guidance
- Proportional navigation guidance
- Trajectory shaping
- Self spinning airframe
- Control by canard fins

Fire and Forget

Engagement of targets is fully autonomous and is performed by the outstanding infrared homing head of the MISTRAL missile

- Great accuracy and efficiency
- No man in the loop
- Simplicity of operation, low training and maintenance
- No dedicated fire control system on board

Short reaction time

- The system is optimised to counter any air target at short notice
- Firing sequence: less than five seconds
- High speed missile - short time to intercept

Multi-target

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

- Head on targets
- Manoeuvring targets
- Aircraft before they release conventional armaments
- Sea skimming and manoeuvring anti-ship missiles
- Helicopters

96% success rate

96% kill efficiency rate demonstrated during user firings is due to:

- Outstanding sea and ground clutter rejection by the MISTRAL seeker
- Interception under a trajectory shaping profile
- Mistral terminal effectiveness: outstanding guidance accuracy - proximity and impact fuzes - 3 kg warhead very high reliability

Name

- SIMBAD-RC

System characteristics

- Weight: 500 kg
- Bearing: +/- 160°
- Elevation: -15° to +65°

Missile characteristics

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

