



The MARTE family was born with the helicopter version MK2/S fully qualified in 2006 on the AW 101. Today integration on NH 90 has been completed. MARTE MK2/A is the new member of the MARTE family which is designed to equip light combat aircraft. The missile is a medium range anti-ship missile designed to meet operational requirements in complex littoral environments and in blue water scenarios. The mission planning capability is improved in order to minimise operator workload in operational use and to give the best success probability against low and medium size vessels.

A preliminary version of MARTE MK2/A was developed in the 90s years and integrated in the MB 339 and AMX aircrafts.

For the MK2/S helicopter version the MARTE MK2/A missile will maintain the same mechanical and electrical interfaces with the platform and the same vertical separation concept, except that the two acceleration boosters will be reduced in thrust due to the fact the firing speed of the aircraft is the same order of magnitude as the cruise speed of the missile. The safe separation will be achieved by a launcher which, during the firing sequence, releases and pushes the missile downwards, using stored energy, and gives the missile a vertical velocity of some meter per seconds.

The overall missile weight is reduced to less than 300 Kg instead of 310 Kg of the helicopter and naval versions. Although the missile system will incorporate new technological enhancements providing increasing operational performance, the missile itself will remain basically the same, so permitting reuse of the same Integrated Logistic Support concept employed by the MARTE MK2/S and MK2/N Customers.

A preliminary integration of MARTE MK2/A was performed onto Maritime Patrol Aircraft Airbus C-295 and Finmeccania-Alenia Aermacchi M-346 advanced/lead-in fighter trainer aircraft.

- All weather capability
- Fire and Forget
- Littoral and blue water
- Sea skimmer missile flight
- Terminal attack manoeuvre
- Rapid reaction time
- Suitable against a wide range of vessels

MARTE MK2/A

MEDIUM RANGE, LIGHTWEIGHT ANTI-SHIP MISSILE SYSTEM

MBDA
MISSILE SYSTEMS



SEA

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Warhead & Fuze (the same as MK2/S)

- Semi-piercing HE warhead
- Impact and proximity fuze

Operational features

- Speed: High subsonic
- Flight altitude: Sea skimming cruise phase and 3 different selectable attack profiles

Installation capability

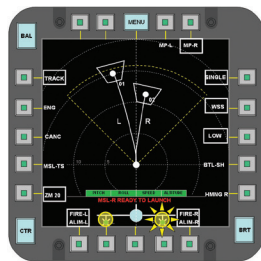
- 2 or 4 missiles can be installed under aircraft wings

Name

- MARTE MK2/A

Missile characteristics

- Weight: Less than 300 kg
- Length: 3.85 m
- Max Body Diameter: 316 mm
- Range: 30+ Km up to 45 Km (depending on firing altitude)



Mission preparation

