

Astra Mark 2 Missile

April 18, 2026 • vajiramandravi.com



Astra Mk2 Missile Latest News

India is planning to equip Mirage 2000 jets with Astra Mk2 missiles, enabling long-range interception up to 240 km and strengthening aerial dominance.

About Astra Mk2 Missile

- It is a **Beyond Visual Range (BVR) air-to-air missile**.
- It is being developed by the **Defence Research and Development Organisation (DRDO)**.
- In addition to various laboratories of DRDO, **more than 50 public and private industries, including Hindustan Aeronautics Limited**, have **contributed** towards successful realisation of the weapon system.
- The **Astra Mark-1** air-to-air missile with a **strike range of around 90-100 kms** is **already in the Indian Air Force** and is already integrated with the LCA Tejas and the Su-30 MKI fighter jets.
- The Astra Mark 2 would give the Indian Air Force an edge over the adversaries in air-to-air combat and can also be offered as an export product to friendly foreign countries.

Astra Mk2 Missile Features

- While the Astra Mark-1 is a single-pulse, smokeless solid-fueled motor, the Astra Mark-2 **uses a dual-pulse solid rocket motor for extended reach and better kinematics during the kill phase.**
- **Astra Mk-1** is 3.6 m (12 ft) long with a diameter of 178 mm (7.0 in) and weighs 154 kg with a **maximum range of 110 km. The Astra Mark 2 will be a bigger missile** with a diameter of 190 mm and weigh close to 175 kg.
- **Range: 200-240 km** (high altitude conditions)
- Astra Mk-2 will use the **indigenous seeker manufactured by Bharat Electronics Limited (BEL).**
- This **seeker is equipped with electronic counter-countermeasures (ECCM)**, enhancing its ability to resist jamming and electronic warfare tactics.
- Another critical feature is the **two-way datalink** that **enables mid-course updates.** This allows the missile to **receive real-time guidance corrections** from the launch platform or other assets.

Source: IMM

Source: <https://vajiramandravi.com/current-affairs/astra-mark-2-missile/>

© Vajiram & Ravi. For personal use only.