

APPAREO ASSET TRACKER AT-40

The AT-40 is a smart, active RFID tag that is designed to track and manage off-road equipment and attachments.

Lightweight and durable, this tag is ideal for providing identification information for use in:

- Inventory management
- Equipment tracking
- Automating equipment settings for attachments
- ...and more

TECHNOLOGY APPLICATION

Radio-frequency identification (RFID) uses electromagnetic fields to automatically identify and track objects. Active RFID tags, like the AT-40, are powered and capable of broadcasting information at intermediate distances.

The AT-40 sends its identification five times per minute on the 433 MHz ISM band, the same band commonly used by devices like garage door openers. This identification can be received by portable readers (e.g. connected to a phone or tablet) or by an electronic control unit (ECU) onboard the machine. Additionally, the onboard accelerometer provides information about when the last time the equipment or attachment was moved.

The AT-40 is designed for the most extreme outdoor environments. Mounting the asset tracker is typically accomplished through two flange bolt/rivet holes, or it can be mounted with adhesive. The tag's battery will last 5-10 years, depending on the environment in which the tracker is deployed. As the battery life becomes reduced, the AT-40 will report its low battery state, allowing users to consider replacing the tag.

AT-40 SPECIFICATIONS

- Size: 3.7" x 1.9" x 1"
- Transmission Range: 50 meters using the iPad reader
- Temperature: -40 to +85 °C
- Battery life: 5-10 years*
- Radio: 433MHz, FSK modulation

*Estimated battery life will vary depending upon the environment in which the tag is used.



POSSIBILITIES

Appareo also offers a series of telematic gateways with onboard 433 MHz receivers that are compatible with the AT-40. Contact Appareo today to discuss your asset tracking challenges.