

Polaris RDF 121 combines the most advanced applications of GPS and signal processing to locate 121.5 MHz beacons. Polaris RDF 121 was developed for first responders to locate a distress signal with pin point accuracy and speed unlike any other device. Polaris RDF 121's advanced signal-smart technology will filter out ambient noise to more quickly identify an ELT signal and positively identify weak or partial signal reception.

A single vector reading from 2 fixed locations is often all that is required to pinpoint an ELT or other signal within an accuracy of 5 degrees. Each vector is communicated to the smartphone (equipped with the Polaris RDF 121 Application) conveniently mounted on the top of the Polaris RDF 121 unit.

In seconds, rescuers will be provided with sophisticated analysis, route, ETA to the target area and other valuable information. This location can be sent via cell phone to other equipped team and the operational base.

We all understand that every second is a heartbeat. Polaris RDF 121 will enhance your arsenal for success against time every time!



The Polaris RDF 121 android software application provide GPS location, targeting, mapping and a communication platform to other searchers.

FEATURES:

- Handheld Receiver
- Variable IF and RF controls for fine tuning
- Adjustable Emergency 121.5 MHz and Test beacon
 - 121.775 MHz Frequencies (Used for training)
- Ease of Use with Flexible whip safety antennas
- Digital Signal strength meter
- Audio system with watertight speaker and ear plug jack
- Uses Phased Array antenna technology
- Lightweight
- Integrated targeting and mapping software
- Uses Android cell phone (lollipop or newer)
- Remote viewing is available from base
- Rugged mount for Cell Phone.
- 6-AA batteries (20 hours of continuous use)



WHY POLARIS RDF?

Emergency Locator Transmitters or ELT's for aviation, Emergency Position Indicating Radio Beacon or EPIRBs for marine and Personal Locator Beacons or PLBs for hikers are used across the world in a wide variety of applications, mostly involving critical search and rescue operations. Often ground teams utilize an ELT or the others at 121.5 MHz despite the use of 406 satellite detection technology. The limitations of current technology often delays the rescue efforts. For instance, a ground team must take multiple readings, to triangulate the beacon's location. Each reading increases time and odds of human error. Also, a weak beacon can make signal detection difficult.

EFFICIENCY

TrueNorth Rescue Inc, has bought the rights to the TigerStrike Lite device and has rebranded it as the Polaris RDF 121. With this the company can solely focus on the Polaris RDF line of devices, including the 121, the 406M, and the 406T.

The 406M is currently in development, to be a 406 Monopole, allowing the application to read the information from the 406 MHz Beacon and plot it on the map, then give directions to the target area.

The 406T is in the works, to be a 406 Time Delay of Arrival, which will hunt the energy of the 406 MHz beacon and provide the GPS data. The 406T will allow users to hunt 406MHz as they would a 121.5 MHz beacon.



**EPIRBs
MARINE**



**ELTs
AVIATION**



**PLBs
GROUND**