FD1 BEACON - R1+ RECEIVER

Lost crash-resistant drone tracker / locator





UAVs are increasing their range everyday, not only the fixed-wing but also hobby drones. There is always the risk to lose your drone in an **emergency landing or a crash**.

The main goal for a drone tracker is to find it in any situation, even if **it has been stolen** by an opportunist rescuer.





Don't rely on GPS





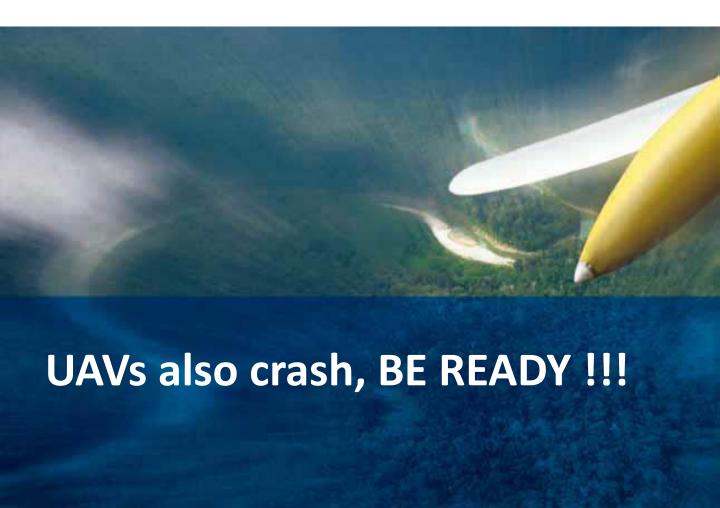


KEY FEATURES

Tinyloc offers the best professional lost drone and UAV emergency location systems. The tracker transmits a distress signal in the form of a beacon, allowing a drone to be found up to few km even with no GPS, no mobile coverage or in indoor hidden places. Aircraft aluminium enclosure crash resistance tested.

Where other locators fail, our technology guarantees recovery.

Approved by the greatest manufacturers in the world.



FD1 UAV TRACKER

Lightweight radio location beacon compatible with the R1+ receiver.

- ➤ No monthly fee
- Rugged aircraft aluminium enclosure, crash resistance tested
- ➤ Independent battery included that does not rely on the UAV battery in hard crash situations
- ➤ Low battery detector will warn us 2 days before the battery is fully drained, with a double tone
- ➤ 20 days continuous battery lifetime. If you stop it with the magnetic switch after each flight, the lifetime is significantly extended
- ➤ The transmitter has a LED light that lets you know when it is operating. This system can be useful in night searches
- Most powerful legal transmitter currently existing on the market
- ➤ Low frequency signal that does not affect drone communications
- Magnetic switch included for turning on/off the beacon without opening the battery cover

In order to prevent your UAV from being stolen, you can fit and hide the tracker inside the drone, placing it near the enclosure, and then switch it on/off with the magnet from outside the drone.

UAV enclosure





FD1 Tracker Technical data	
0 mW	
33.050 - 434.790 MHz. Regulatory compliance	
15°C a 50°C	
20°C a 70°C	
9 67 (Waterproof)	
0 days, 2 last days with low battery mode	
to 25 km – tracking from ground.	
5 to 40 km – tracking from 3-4 m high	
0 to 80 km – tracking from higher	
V / 1 Battery 1/3N	
.3 g	
3mm long / 13,5mm diameter	
6 cm Could be shortened assuming range decrease	
lagnet included to switch on/off	

RECEIVER R1+ UAV

Powerful receiver with **2,790 channels and 100 memories**, so you can use one receiver to locate several drones.

This is an affordable receiver with great features and portability.

- ➤ High performance, easy to deal with, intuitive. The tracking receiver turns the electromagnetic signal from the tracker into an acoustic sound and digital bar on the screen, to be used to identify the direction of the signal where the object carrying the tracker is located. It makes the search for your drone accurate and fast
- > EASY TO USE in any field
- ➤ Internal powerful foldable antenna that provides the highest sensitivity and accuracy
- ➤ Automatic display LIGHTING (with outdoor sensor light)
- ➤ DDC: It has an effective system for detecting the right direction (DDC), through numeric values which help find the precise direction
- ➤ AUTOMATIC CALIBRATION: The receiver automatically calibrates the tracker, detecting any small variation in its frequency and increasing its performance



Receiver R1+ Technical data		
Power source	6 volts (4x 1,5 V "AA")	
	Do not use rechargeable batteries	
Receiver sensitivity	-146 dBm	
Frequency range	430.000 - 439.999 MHz. Regulatory compliance	
Channels and memories	2790 channels / 100 memories	
Life time	25-50 Hours. Infinite when connected to car lighter	
Operating temperature	-15° to 50°C (-5° to 122°F)	
Storage temperature	-20° to 70°C (-4° to 158°F)	
Index of protection	IP 20	
Weight batteries included	520 g	
Dimensions	245x66.5x40 mm	
Connectors	Mini-USB, earphones 3.5mm, SMA external antenna	
Accuracy	5 cm maximum accuracy	