



# Wildlife Tracker „Deer“

Light-weight ear-tag  
for wildlife monitoring  
applications



With our LoRaWAN-enabled GPS ear-tag it is possible to gain insight into the movement of animals which were difficult to track previously. Due to the light weight of the device and the attachment to the ear, even juvenile animals which still exhibit strong growth can be tagged. Due to the devices' data storage capability, migrating individuals can be tracked all year around without data loss.

## Application

- Tracking of wildlife, such as wild boars, bears, deer, bison, elk, wolves, lynx and other mammals
- Monitoring of livestock, such as cattle, sheep and horses

## Features

- Full-season monitoring & tracking
- Tracking of juveniles possible thanks to ear-tag deployment
- Device stores locations when lacking connectivity
- Remotely configurable
- Ruggedised and waterproof housing (IP67)
- Supported by tracking platform „IoT Wonderland“ (<http://www.iotwonderland.com>)

## Technical Details

- Positioning: GNSS (GPS, Glonass, Beidou, Galileo)
- Accuracy: 2.5m CEP (statistical value - errors may be larger than 2.5m)
- Transmission: LoRaWAN 1.0.3
- Range: Up to 10km (depends on terrain and animal height)
- Battery: Lithium primary cell
- Runtime: up to 1 year / or up to 10.000 positions (typ. 4 months / 5.000 positions)
- Weight: 45g

Upon request we will provide support for your project, both remotely and field-support.