

# Quick-Start Guide: Track Box



This document only guides you through the first steps with your Track Boxes. For more information, please consult our online Knowledge Base, and watch the videos posted on our [YouTube](#) channel.

1. Configure APN, SIM-PIN and Customer ID with the Tag Tool software and a Management Box
2. Insert a SIM card into each Track Box using a **4 mm** hex key. Do not lose the O-rings, do not overtighten.
3. Set up the Track Boxes along the track:
  - a. Spacing: set up the Track Boxes at least 500 m apart, and spread them evenly along the track.
  - b. Use strategic locations like corners at elevated positions. Point the antenna straight up.
  - c. Beware that Track Boxes close to the start and finish will produce significant amounts of data.
4. Activating the transponders
  - a. The tracking mode in the ActivePro V2 Transponders is activated with a Management Box set to TRACK → START  
**CAUTION:**
    - set the tracking activation loop at least 20 m away from any timing loop.
    - the tracking activation loop should be at least 60 cm wide, and set to 100% loop power
    - make sure to activate Tracking on a channel that is **not used for Timing**.
  - b. Transponders will auto shut off the Tracking Mode after 3 h without "seeing" a Track Box and need to pass a timing Loop at least every 12 h - this is to preserve battery in case of accidental activation or if Tracking Mode was not shut off.
  - c. To actively shut off the Tracking Mode set the Management Box to TRACK → STOP

## LED

	< 20s Firmware upgrade > 20s Fatal Hardware ERROR
	SIM card error
	no GPS, but network
	GPS, but no network
	no GPS, no network
	no GPS, but network available receiving trackpings
	no GPS, no network receiving track pings
	GPS and network OK
	GPS and network OK receiving trackpings
	Charging: battery full
	Charging: battery charging

## Technical Specifications

- **CAUTION:** contains strong magnets
- 2G/3G Module
  - ~3MB/24h and 1000 trackpings
- GPS+Glonass
- 395g
- 50m - 500m radius
- IP64 protection class
- Battery: LiPo, 4,000mAh, 3.70V (IATA MSDS available)
  - 1 day moving
  - 3 days stationary
- Charge Current:
  - 230mA @ 15V (quick charge 5h)
  - 150mA @ 12V (slow charge 10h)
- Sim-Card format Mini-SIM-Card 2FF

Track Box  
Model : RR05  
IC: 20465-RR05  
FCC: SZO-RR05  
Input: 10-15V,  
500mA



Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

