



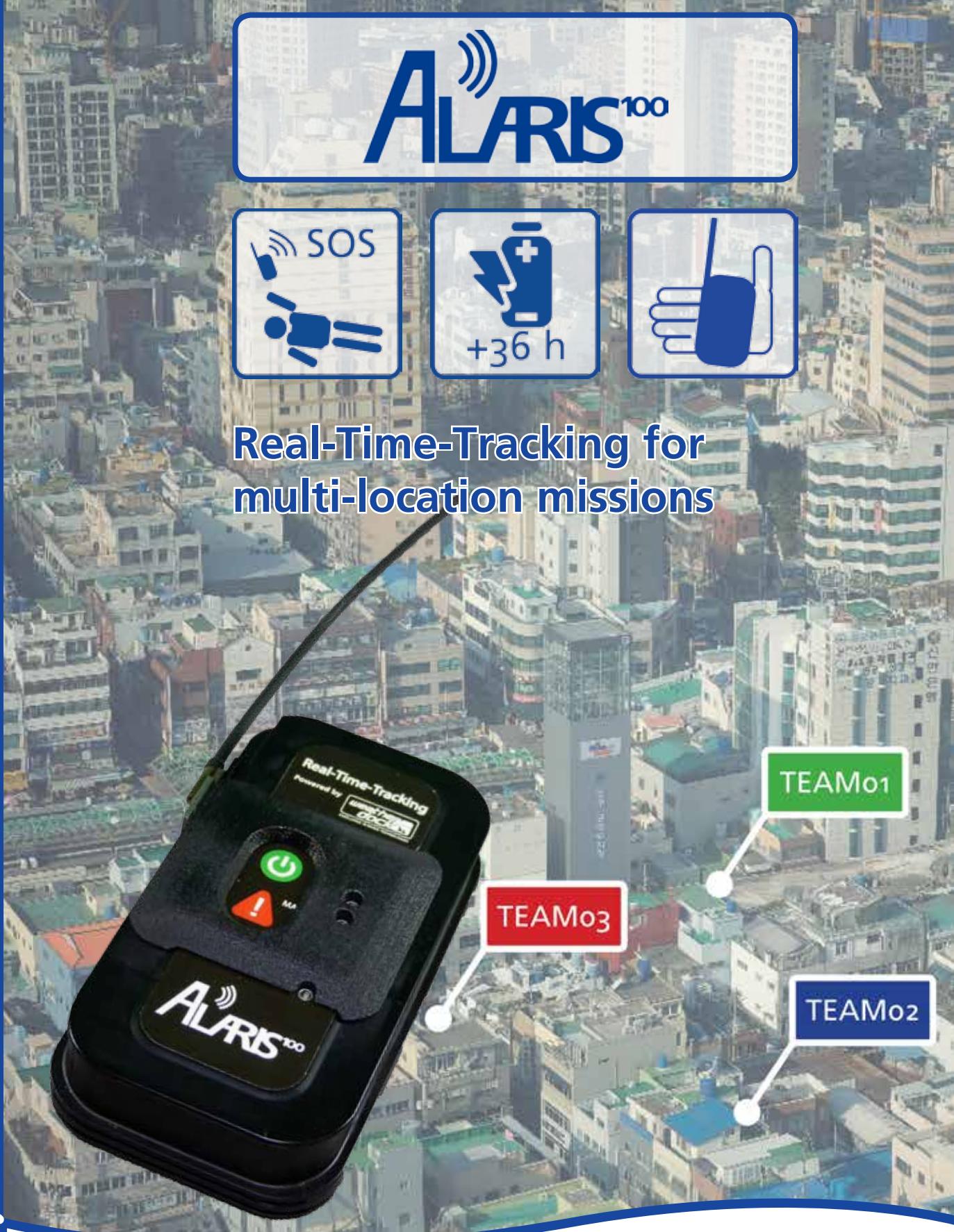
EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking

ALARIS¹⁰⁰

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Real-Time-Tracking for
multi-location missions



Palm-sized personal locator unit for
tracking and monitoring of mobile law
enforcement squads



ALARIS¹⁰⁰ is the palm-sized solution for law enforcement and special forces squads.

Text By using the small and portable locator beacon ALARIS100, every squad-member is able to transmit his current GPS live position via VHF connectivity to headquarter or follow-up unit.

In these days it becomes more and more important, that mission control knows where are the squad members located at any time, without time gap. This is the basement for most effective monitoring, specially in multi-location-missions.

A discrete transmission of current position is done with radio silence so every squad member can stay focused on the mission.

The ALARIS100 has got a strong, durable and rigid housing and due to his palm size there is no inhibition of movements.

An additional panic button for „man down“ scenarios can be triggered single-handed. A special

The longlasting battery power as well as the 100% independence of any mobile infrastructure e.g. GSM network are additional benefits of the ALARIS100 which make this portable locating beacon a very cost effective solution of mobile unit real-time-tracking in multi-location-mission or training events.

Function

The ALARIS100 transmitter is based on VHF transmission. via the built-in GPS receiver the unit gets position fix and triggers a position report to the receiving station. These transmitted position reports are 128Bit encrypted and customized VHF frequencies can be used within the marine band.

The single position report contains current GPS position with LAT/LONG as well as unique Unit-ID of the ALARIS100. Speed and direction is also included in every report. By software the time interval of transmission can be chosen from every 2 seconds up to every minute. As longer the interval as longer the battery lifetime. Within a 10 second-interval the ALARIS100 will run for approx. 36 hours. For every 2 second transmission power will stay for approx. 20 hours.

Highlights

- 128Bit encrypted VHF transmission
- Live GPS position report of squad members
- 100% independence of GSM network infrastructure
- Longlasting battery power and re-chargeable batteries
- Position report within radio silence
- Up to 5km transmission range to receiving station
- Palm-sized solid and rigid housing
- Additional panic button for „man-down-scenarios“
- Single-handed usage due to light weight

Technical Data

- Transmission power: >=2.5 Watt
- Specifiable frequency range from 155.5 to 162.25 MHz, 25kHz channel spacing
(please ask your local authority for customer frequencies)
- Operating temperature range:
-10°C to +55°C
- Storage temperature range:
-30°C - +60°C
- Dimensions:
(LxWxH) 130 x 70 x 30 mm
- Weight: 250 g

How to run

Each squad member needs an ALARIS100. The charging station provides intelligent and ideal charging which ensures the long lifespan of the batteries.

A special tuned receiver is requested to monitor all the incoming live position reports.



REAL-TIME-TRACKING

powered by



Encrypted VHF
Transmission



Longlasting
Battery Power



„Push-to-Alert“
Buddy-down button



GSM Network
Independence

EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking



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