

## MISSION REPLAY SOFTWARE FOR GEO-REFERENCED RADIATION MAPPING INSTRUMENTS

# REPLAY TOOL

### APPLICATIONS AND SCENARIOS

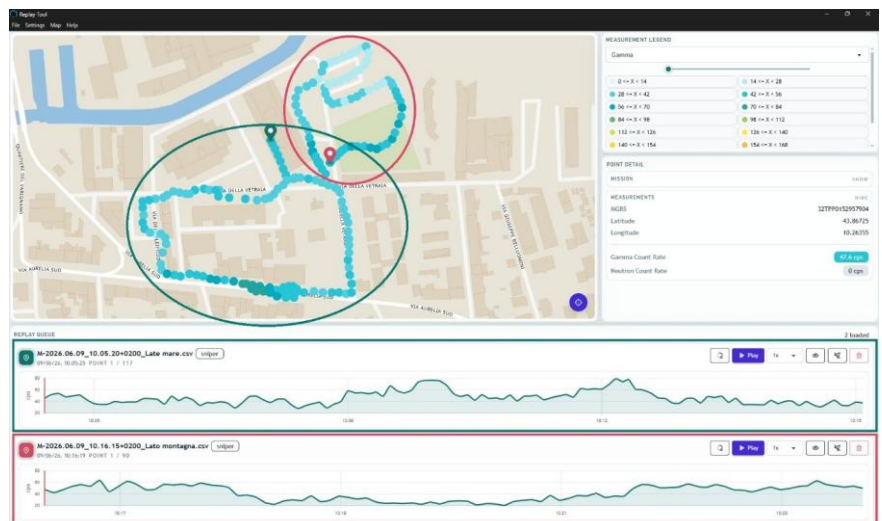
**Replay Tool** is suitable for a wide range of operational and analytical scenarios, including:

- Post-mission analysis and validation of radiological surveys
- Review and comparison of multiple missions performed with different instruments
- Review of radiological data evolution vs time with repeated path analysis
- Training and simulation of field operations using recorded datasets
- Support to emergency response by reconstructing measurement timelines
- Reporting and data interpretation for environmental and security monitoring activities



### DESCRIPTION

Replay Tool is a mission replay software designed to review and consolidate radiological monitoring activities carried out with CAEN mobile mapping instruments within a single environment. It enables operators to analyse previously acquired missions through a dynamic and synchronized visualization of geo-referenced data.



The application allows the simultaneous display of multiple missions on a common map, with color-coded measurement points representing the recorded radiological data. The replay functionality reproduces the path followed by the instrument at selectable speeds, providing a clear understanding of the evolution of the measurements over time.

Through an intuitive graphical interface, users can access detailed information for each acquisition point, including position, radiological values and energy spectra. The software supports both online and offline map visualization, enabling flexible operation in connected or disconnected environments.

Replay Tool is fully compatible with several CAEN systems, including GAMON Mobile, GAMON Pack, SNIPER-GN, GAMON Diver Explorer and GAMON-Drone, allowing unified post-processing and analysis across the entire portfolio of field instruments and easy data reachback

## TECHNICAL SPECIFICATIONS

### System Requirements

- Operating System:
  - Windows 10 (or later), 64-bit
  - Linux: Linux 64 bit (x86\_64)

### Input Data

- Mission files: .CSV format
- Map files: .MBTiles (offline mode)

### Replay Controls

- Play / Pause / Reset functions
- Adjustable replay speed (0.25x – 20x)

- Mission visibility control (show/hide)
- Follow mode for automatic map tracking

### Compatibility

- GAMON Mobile
- GAMON Pack
- SNIPER-GN
- GAMON Diver Explorer
- GAMON Drone

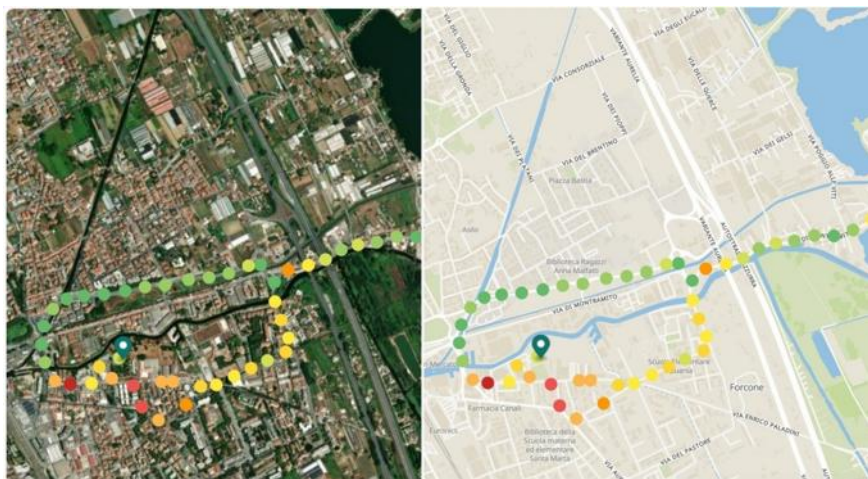
### Licensing

- USB hardware key required for software activation

## MAIN FEATURES

Replay Tool is a dedicated software platform for dynamic visualization and analysis of geo-referenced radiological missions.

- Simultaneous visualization of multiple missions on a single map
- Dynamic replay of mission paths with adjustable speed (0.25x to 20x)
- Color-coded mapping of gamma and neutron measurements
- Detailed point analysis with coordinates, radiological data and spectra
- Support for online (satellite) and offline maps (.MBTiles)
- Compatible with GAMON Mobile, GAMON Pack, SNIPER-GN, Diver Explorer and Drone systems
- Multi-mission comparison and visualization



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