

Mobility Sound

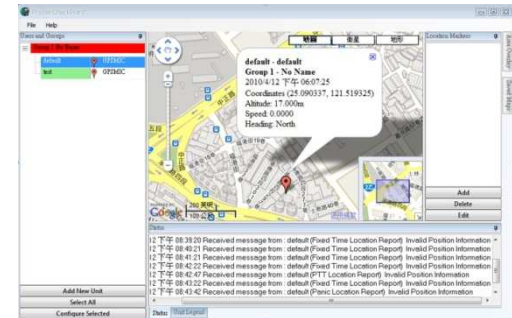
GPSMic/GPSBox Prestentation

New GPSMic/GPSBox System
Life Safety
Rugged Construction
Waterproof
No monthly fee
Upgrade your radio to GPS radio
Send Your Position over Your Radio



Mobility Sound

How it works



Your current analog radio

GPSMic/GPSBox



GPS radio system
Police
Fire Fighter
Forest Managerment
TAXI calling system
Trunk Tracking system
.....



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Reportd it's position method

5 Position Reporting Modes

- Poll or Dispatch-Based
- Push-To-Talk
- Fixed-Time Based
- Fixed-Distance Based:
- Panic/Emergency Button Activation



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Poll-Based Position Reporting

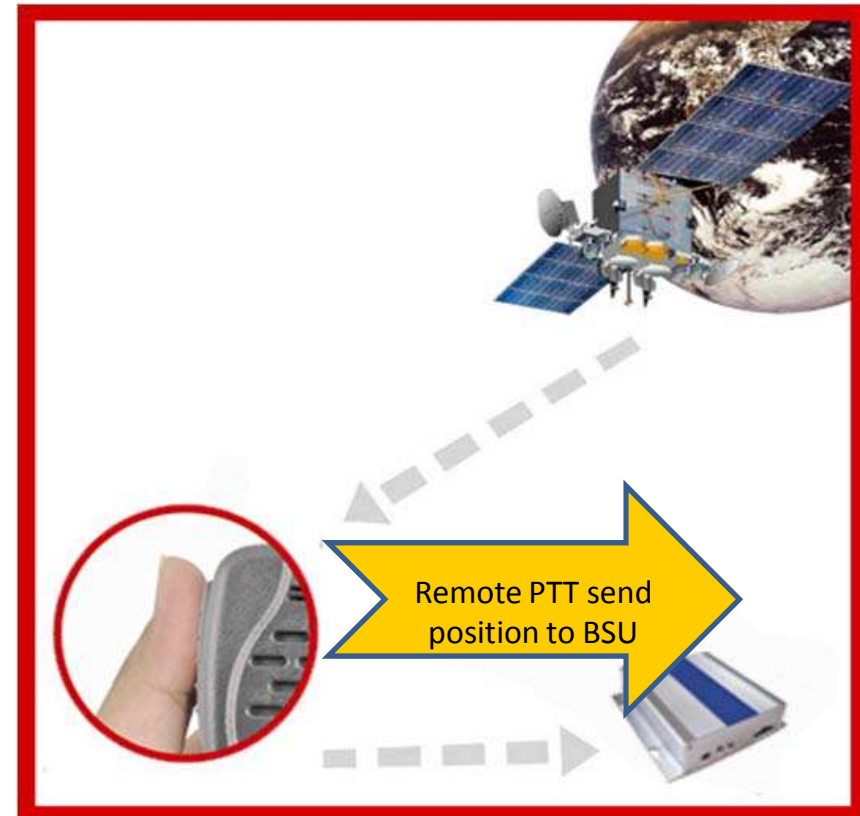
- GPSMic always responds to location query requests from the Base Station/Dispatch Location.
- Locate on demand.



AUTOMATIC POSITION REPORTING MODES

1. Push-To-Talk (PTT) switch activated

- Position report sent either on every PTT or a time-throttled basis



AUTOMATIC POSITION REPORTING MODES

2. Fixed-Time Based

- Periodic reporting of position
- Time interval value : 1 – 255
- Time interval units: seconds, minutes, hours, or days



AUTOMATIC POSITION REPORTING MODES

3. Fixed-Distance Based

- Position reported if location change exceeds set distance threshold
- Distance Threshold : 100 meters – 64 Km
- Operational modes: absolute (e.g. geo-fence) or relative (between successive location reads)
- Uses separate periodic time check which may be set by user



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PANIC POSITION REPORTING MODES

- Special “man down” button on unit initiates periodic panic message with position report
- Manual activation/deactivation button press period is programmable
- Rate of reporting to Basestation is programmable
- Basestation can acknowledge and deactivate through over-the-air command



UNIT AND BASESTATION MESSAGING FEATURES

- **High-reliability communication protocol using handshakes and retries**
 - Retry period and total retries are programmable and can be changed over-the-air.
 - Acknowledgement messages may be programmed to be disabled on a per message type or a particular GPSMIC™ basis if so desired, to reduce data message traffic.
- **Supports Basestation broadcast messages to all units**
 - Efficient time-slot management scheme for unit responses to reduce probability of collisions and need for extraneous data messaging
- **Supports Basestation multi-cast messages to up to 15 separate GPSMIC™ groups**
 - Units may be assigned to groups at time of Unit ID designation and provisioning.
 - Can reduce data messaging and simplify equipment management.



Additional Features

- **Easy interface with GIS mapping software**
- **Base-Configured GPSMic for Portable and Mobile**
- **Zero-Power Speaker Microphone operation (radio models vary)**
- **GPSMic Tools Software Suite Includes:**
 - GPSMic Configurator – GPSMic Programming, Provision/deployment tool
 - GPSMic CheckPoint – Over The Air operation, GPSMic data control



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Customer Application Case Study

Locate Data On Map

Locate Data In List

CheckPoint

File Help

Users and Groups

Group 1 No Name

- C10 125
- C18 GPSMIC
- E01 GPSMIC
- C13 23
- C14 31
- C08 06
- A01 GPSMIC
- *65 GPSMIC
- C16 40
- C17 74
- C01 GPSMIC
- CD4 159
- C12 142
- A3 GPSMIC
- F10 GPSMIC
- E02 GPSMIC
- C09 108
- C03 176
- H2 GPSMIC
- CD7 GPSMIC
- A02 GPSMIC
- F07 GPSMIC
- C06 159
- B02 GPSMIC

Map Satellite Hybrid Terrain

Location Markers

Add
Delete
Edit

Status

- 11/28/2009 9:58:21 AM Received message from: C14 (Fixed Time Location Report)
- 11/28/2009 9:58:34 AM Received message from: C10 (Fixed Time Location Report)
- 11/28/2009 9:58:37 AM Received message from: C10 (Fixed Time Location Report)
- 11/28/2009 9:58:38 AM Received message from: C08 (Fixed Time Location Report)
- 11/28/2009 9:58:39 AM Received message from: C06 (Fixed Time Location Report)
- 11/28/2009 10:01:23 AM Received message from: C14 (Fixed Time Location Report)

start

checkPoint T.M.S-10[melvin] 10:02 AM

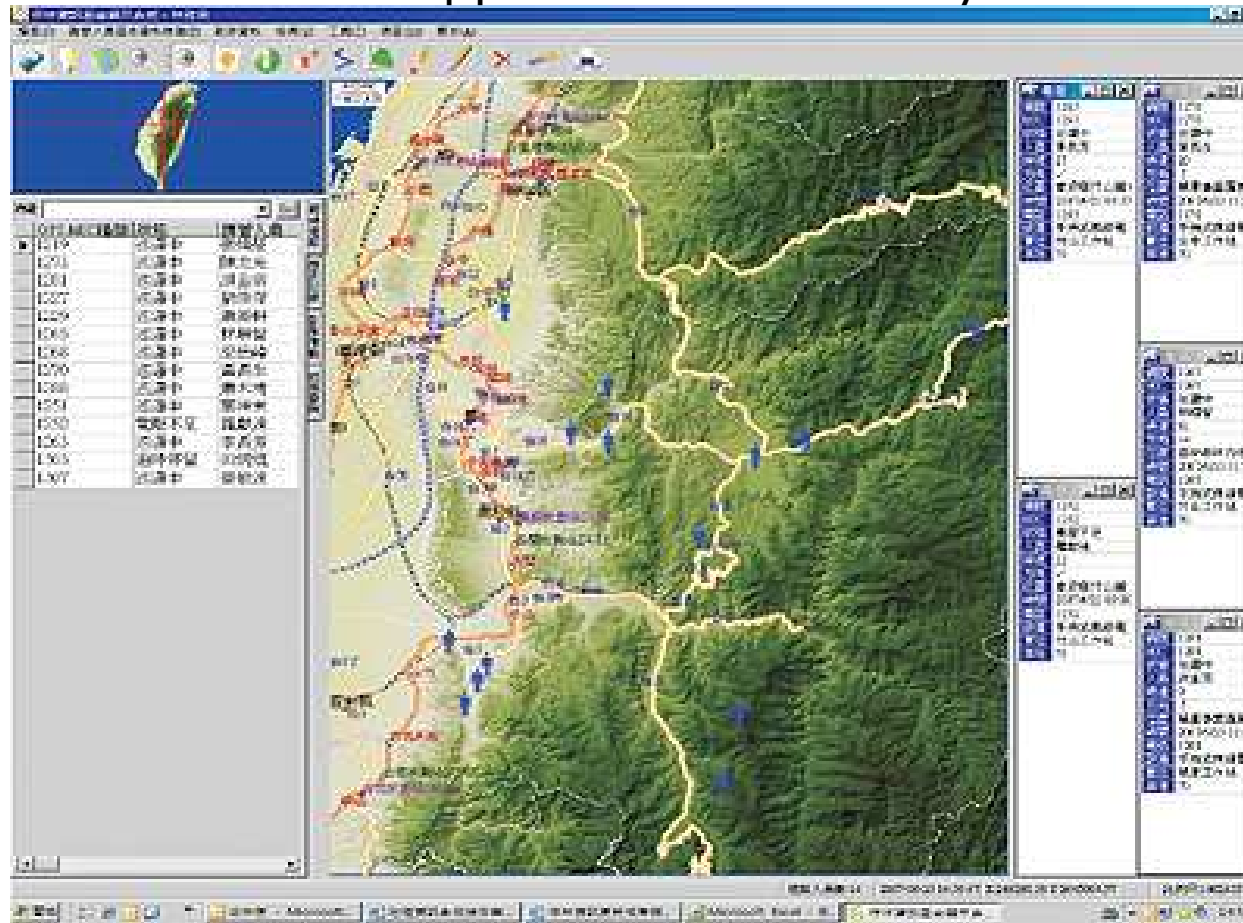


Customer Application Case Study



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FOR MORE INFORMATION....

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