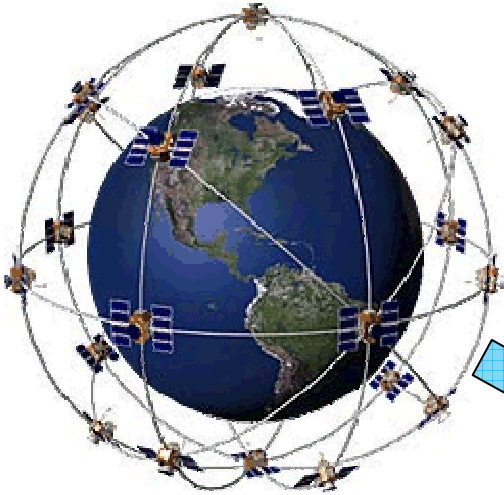


Mobility Sound

GPSBox Series for 2 way Radio



New GPSBox System

- Life Safety
- Rugged Construction
- Waterproof
- Send Your Position over Your Radio

The GPSBox is a revolutionary remote GPS Box that works with virtually any two-way radio. In addition to operating as a standard remote GPS device, the GPSBox also utilizes Global Positioning System (GPS) satellites to send automatic reports on the user's position. Location reports can be sent automatically or manually (whenever the user depresses the PTT key) and are displayed at the dispatch location using a GPSBox and a personal computer running a dispatch or mapping software application.

Remote GPSBox



Base Station GPSBox



Send Data by Radio

The GPSBox is part of a complete location reporting system that helps you keep track of your manpower. This system consists of one or more GPSBox, which receive location information directly from Global Position Satellites, plus a GPSBox and a personal computer or the currently installed CAD or Google dispatch application.



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Mobility Sound[®]

GPSBox Features

- Single, rugged unit is both a standard remote speaker microphone and a personal Global Positioning System (GPS) location device. Convenient, efficient, affordable, secure.
- Works with virtually any two-way radio system—single or multiple channels, conventional or trunked system, across VHF/UHF frequency range.
- Can be used with both vehicle and handheld radios. Built-in earphone jack allows connection of a single-wire earphone kit for privacy.
- On-board memory stores up to 1,300 location reports for easy download and archiving using a wired connection to the GPSMic or over-the-air reporting.
- High sensitivity GPS receiver which allows for better reception of GPS satellite signals.

Position Reporting Options

- Position reporting can be programmed to operate in many modes. Modes can be combined. They can be applied to single mics, groups, or system wide. Over-the-air reprogramming can help respond to changing needs and emergency conditions.
- Polling Mode: Reports location only when requested by the Base Station.
- PTT Mode: Reports location when the user presses the push-to-talk switch. Minimum time between reports can be set to minimize data transmissions. Reports may be sent at the beginning or the end of the user's voice transmission. (PS: Some mobile radios without PTT mode)
- Fixed Time Mode: Reports location automatically at set intervals.
- Relative Distance Mode: Reports location whenever the user moves more than a set distance from his or her own last reported position.
- "Geofence" Mode: Reports location and sends alert whenever the user moves more than a set distance from a specific defined location.

GPSBox Location Reporting System Features

- Transmits GPS location and other information as data over an existing non-compressed voice radio channel. Dedicated data channel is NOT needed.
- Operates standalone or can be integrated into an existing AVL system. Our simple Application Programming Interface (API) allows the GPSBox system to be used with third-party mapping and dispatch software packages.
- Simple, standalone installations use a GPSBox configured as a Base Station Unit (BSU).
- Fully configurable and controllable using GPSBox Tools software suite. Most operating parameters are programmable for the system, defined groups, or individual subscribers. Extensive over-the air, on-the-fly capabilities maximize flexibility.
- Vigorous reporting and acknowledgment protocol helps ensure that location reports are not missed even under weak signal conditions.
- The base station or dispatcher can request location information at any time for all subscribers, predefined groups, or individuals.
- Firmware-upgradeable to enable additional features and functionality revisions.
- Automatic location reports are sent only when the microphone detects a clear channel. This helps avoid collisions with other traffic through user configurable means.

GPSBox Specifications

- Physical Size : 100x92.4x40 mm
- Weight : 350g
- Material : Aluminum
- Waterproof : Optional
- Operating Voltage : DC12V
- Operating Temp. : -20~60 degrees C
- Operating Current : <70mA
- GPS Sensitivity : <-159dBm
- GPS Frequency Band : L1 , 1.575GHz
- Cold Start : <42 seconds in open sky

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Ordering Information

Model Number	Description
GPSBox	GPSBox x1, USB cable x1, GPS Antenna x1, CD-ROM x1
C-GPS-GM338-B	Radio cable for Moto GM338/360 WARIS connector
C-GPS-GM338-F	Radio cable for Moto GM338/360 RJ-45 connector
C-GPS-VX2200-B	Radio cable for Vertex VX-2100/2200 DB-15 connector
C-GPS-TK8180-B	Radio cable for Kenwood TK-7180/8180 DB-25 connector
C-GPS-Customer	Customized cable, email us
C-GPS-Mobility	Radio cable for open end wires without connector

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