

System and User Features/Functions

Consult the LCD Display:

- **For System Diagnostics:** Before the start of a mission or outing: See the number of GPS Satellites seen, Satellite signal strength, number of Satellites used, PDOP/HDOP and VDOP details. *Other information:* amount of memory used, battery voltage.
- **For a Complete Audit of a Mission or Sortie:** Used as a GPS Tracker: Via wired USB connection to the unit and a PC or laptop download all stored tracks, use the analysis software to see and create reports on: tracks, altitude, average/minimum, maximum speed. Share and export tracks to mapping software.
- **For the User:** Show one's location, elevation, area temperature, speed and direction of travel of user. Convert information to other GIS grid formats. Shows remote field unit location, altitude, bearing, speed and heading. Watch, track, remotely poll field units. Mark, store, send and receive as well as set a course to a waypoint. Send and Receive text messages.

Product Specifications

- IP54 splash proof
- 2.5 mm ear phone jack: Use an ear piece with the unit, silences the unit's built-in speaker
- Built-in Electronic Compass for navigation to field units and set/received waypoints
- A 120 x 140 Transflective LCD monochrome grayscale display for viewing in sunlight
- High Sensitivity Atmel GPS receiver chipset with built-in antenna
- Compact in size: 59(W) x 114(H) x 30(D)mm (2.32" (W) x 4.48" (H) x 1.18" (D))
- Lightweight, Approx. 115g (4.16 oz), (with lithium ion battery)
- Powered by a 3.7V / 1200mAH Li-polymer battery that is recharged via USB connection of the mic to a PC, or 110/240 to 5 VDC, or 12 VDC to 5 VDC cigarette lighter adapter accessory
- Long battery life: 18-20 hours with LCD backlight off
- Extended temperature operating range: -20 deg C to 65 deg C (-4 deg F to 149 deg F)
- Various cables available for most 2 way analog radios (Consult K&A for details on APCO P25 radio model operation and ordering details)
- May be powered by a compatible two way radio
- Analog and Digital MiiC to two way radio model specific connecting cable
- Model MiiC-BATT-1; Spare 3.7 V lithium-ion battery
- Model MiiC-USB-1; Spare USB to GPS MiiC cable
- Model MiiC-LP-1-5; Cigarette Lighter or 5 Volt USB Power Adapter/Charger
- Model MiiC-AD9-6; 9 pin to 6 pin analog radio cable adapter with 2.5 mm earphone jack
- Model MiiC-BATT-CHG-1; 100-240 VAC to 5 Volt USB Power Adapter/Charger
- Model MiiC-BATT-CHG-2; 12 Battery Bank Charger, 12 VDC Input

Accessories

Software

- Infinity GlobalTrackerMapper
- Infinity Google Earth™ Tracking S/W with MiiC Service Utility
- Maptech Navigator Pro with Terrain navigator Pro Team Tracker Upgrade (for US only)
- ESRI ARC MiiC Upgrade (Call for details)

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Distributed by:



When connected to a two way radio's speaker microphone accessory port Users may now interface with the MiiC speaker microphone console's built-in LCD display offering users with these many features:



Find other users in the field: locate, poll and set a course and navigate to a field unit.



See Tracks made by other field units in relation to your position and set a course.



Set, store, and receive waypoints, send waypoints, set a course to a waypoint. Send and receive text messages

...ALL THIS AND MORE USING YOUR CURRENT TWO WAY RADIO!

Get more out of your two way radio!

Introducing the Mobile Intelligent Information Console for 2 way radios

Traditional AVL (Automated Vehicle Location) systems are just that, they show a vehicle's position onto a PC with mapping using GIS or dispatch software at a remote location ... this whenever a User releases the Push to Talk (PTT) button of their two way radio's microphone. None of these products provide users in the field with any local situational awareness about their surroundings and other users in the field.



Advanced Man-On Situational Awareness of one's surroundings is now in your hands!
*Which way is in? Which way is out?
Where is everyone? Where have they been?
Always know where everyone is...
and bring them home safe.*



It's more than just a speaker microphone accessory!

Get More Out of Your Radio!

- Easy to use, this speaker microphone accessory connects to most any two way radio, analog or digital with the appropriate accessory cable.
- Provides an instant return on investment by providing Field User's with increased situational awareness, better sense of safety and security due in part by accessing data received from other field units and interpreting the information received using the console's built-in backlit LCD display.
- Using the console's built-in joystick the User then navigates through various intuitively designed menus.
- No PC or laptop required



User Friendly Icons allow you to:

- With the MiiC FINDER: Access GIS information for all users on the same radio channel that are in the same Group as the receiving MiiC console:



- See Asset and Field Unit/Resource Location, Speed, Heading, Direction and Altitude
- See all the tracks made by other users showing areas search areas covered or travelled.
- See the relative distance of a field unit as it relates to the User.
- Set a course to a remote user, once in motion calculate the estimated time of arrival and distance to be travelled.
- POLL a Unit: If a field unit has not been heard from, send a command to poll the field unit whereby the field units position will be received and updated.



- Send and Receive Text Messages
- Store, name, save, send and go to and receive a Waypoint
- Download all tracks from the unit via USB cable.



When using single or multiple PC's, Laptop's or PDA's in the field or at a base Station.

With the MiiC console connected to a two way radio and a PC using the device's USB or Serial Port and with a GIS Software Package, depending on the software package, one may:

- See movement of all field units in real time.
- Poll field units on demand on automatically via a timed Predetermined exception base.
- Send and receive etext messages and waypoints
- Playback tracks
- Set up a geo-fence alerting command that a unit has strayed Into a danger or off limits area
- Click a point on a map, name it and send this GIS location over the radio network to Users in the field.

With Infinity GlobalTrackerMapper Software:

The screenshot shows the 'Manage GPS Devices' window with the following table:

Name [Group]	Speed	Heading	Set
<input checked="" type="checkbox"/> Main Connected GPS Device [←- Default Group →-]	---	---	Set
<input checked="" type="checkbox"/> R3 [←- Default Group →-]	0.6 mph	142.0°	Set
<input checked="" type="checkbox"/> R4 [←- Default Group →-]	2.5 mph	92.0°	Set

Additional options visible in the window include: Restore Default Settings for Device, Set Extra Popup Text for Device, Request Updated Position, Point Styles, Set Group for Selected Devices, Disable All Devices in Group, Enable All Devices in Group, Set Track Display Style for Devices in Selected Group, and Set Icon for Devices in Selected Group.

Locate and Poll your field units

Manage how fields units are displayed & tracked

The screenshot shows a map with a yellow box highlighting a specific area. The 'Manage GPS Devices' window is also visible, showing the same table as above.

Set Geo-Fences and Boudaries