

MELO

WATCH CIRCLE VERSION

Iridium Satellite Beacon with GPS location

Quick Start Guide

Version 1.2
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IMEI:

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Turning the Unit On/Off

To turn the Melo on un-screw the top of the unit and press the button with a pencil or other similar shaped object repeatedly until the green light turns on solid. To turn the Melo off simply press the button repeatedly until the red light goes on solid.

Melo Operation

When you first turn the Melo on it will enter Startup Mode, and you should receive three email messages from the unit the first is a position message, the second is a status value message, and the third is an engineering diagnostic message. The engineering diagnostic message is of no importance to the end user. In Startup Mode the unit will average its current position over the next 48 hours and use that position for the center of the watch circle.

- ⚠ Don't power the unit up for deployment until you are as close to the desired location as possible. Activating the unit prematurely will cause the center of the watch circle to be between where you turned the unit on and where it is deployed.

acquire regular GPS fixes and perform Iridium reports at the programmed intervals. If the unit leaves the watch circle the unit will enter alarm mode, in this mode the intervals for GPS fix and Iridium are reduced. The intervals are user programmable through the use of email commands.

Melo Defaults

Watch Circle Center: The unit has the ability to learn the center of the watch circle by averaging its position over the first 48 hours of operation.

Watch Circle Radius: The radius of the watch circle is 400 meters.

- ⚠ You should set the radius of the circle within the first hour of deployment using the \$setcircle command. If you send the \$setcircle command and use 0 for the latitude and 0 for the longitude only the radius will be changed. Example for 100meter radius \$setcircle 0 0 100
- ⚠ The minimum and maximum values for radius are 50m and 100m.

GPS Fix Interval: For the first hour of operation 10 minutes
After the first hour of operation 1 hour

Iridium Msg. Interval: For the first hour of operation 10 minutes
After the first hour of operation 24 hours



You can change the watch center circle, GPS Timing and Iridium Timing through the use of email commands. Most commands sent to the Melo will elicit a response from the unit as an indication that they were accepted. For a list of commands and their response refer to section 3.3.3 Commands in the Melo User Manual (watch circle).

Reset Commands

The unit has a reset command that will set the unit back to defaults. This has the same effect as turning the unit on and off.

The command is \$reset