

ReliAlert™ Operations Guide

SecureAlert, Inc.

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Referenced To:

Hardware Release 3.6

Firmware Revision: v1543



1 Overview

This document describes the major features associated with the OTD Device Hardware and how to operate them. The operator may need to consult associated system documentation for additional detail.

2 Personal Safety and Health

Responsibilities of Administrating Agencies

The ReliAlert™ device meets the government's requirements for exposure to radio waves.

It is the direct and sole responsibility of all agencies (government or private) that oversee use of ReliAlert™ to assure, and formally document, that wears of ReliAlert™ devices understand the safety and health topics below.

It is also the direct and sole responsibility of such parties to assess special individual needs in order to protect the health and well being of those wearing ReliAlert™ devices. This includes identifying any special environmental or personal health needs specific to an individual wearer of the device.

2.1 Personal Hygiene

Simple hygiene measures can avoid discomfort and skin irritations.

The ReliAlert™ is designed to be worn over a standard sock. This aids in maintaining sanitary conditions. Not wearing over a sock or not changing socks on a daily basis may result in skin irritations or other health concerns.

For additional comfort the wearer of a ReliAlert™ may elect to wear a thick-material wrist sweat band just below the main body of the ReliAlert™. Typically the band would be worn just above the ankle bone but may also be used to elevate the ReliAlert™ to accommodate for special foot wear like work boots. Such a band may be purchased from most any sporting goods store.

2.2 Specific Absorption Rate Data

The ReliAlert™ device meets the government's requirements for exposure to radio waves.

Your tracking device is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. These limits are part of

comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for cellular communication devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The tests for SAR have been conducted based on the standard operating position (on the ankle) the tracking device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating is usually well below the maximum value. This is because the cellular device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a cellular device is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. This device has been certified by government regulatory bodies as meeting all associated safety and operational certifications as mandated by these agencies.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web Site:

<http://www.phonefacts.net>

or the Canadian Wireless Telecommunications Association (CWTA) Web Site:

<http://www.cwta.ca>

2.3 Safety and General Information

Extended Storage Care

For optimal operational performance the ReliAlert™ device and batteries should be stored in areas not exceeding 75° F (24° C).

Exposure To Radio Frequency (RF) Energy

Your ReliAlert™ device contains a transmitter and receiver. When it is ON, it receives and transmits RF energy. When communicating with this device, the service network handling your call controls the power level at which your device transmits.

Your ReliAlert device is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

RF Energy Interference/Compatibility

Nearly every electronic device is subject to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your mobile device may cause interference with other devices.

This device complies with Part 15 of the FCC Rules.

1. Operation is subject to the condition that this device does not cause harmful interference.
2. FCC RF Exposure Warning: This device has been tested at the Cellular and PCS bands and found to comply with FCC RF Exposure rule.

Potentially Explosive Atmospheres

Areas with potentially explosive atmospheres are often but not always posted, and can include confined fuelling areas such as below decks on boats, fuel or chemical transfer or storage facilities, or areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

When you are required to be in such confined areas, contact your Supervision Officer or the ReliAlert™ Monitoring Center before entering. Any regular proximity to such areas must be reported to and thoroughly discussed with your Supervision Officer and, if job related, your employer.

Battery Charger

The charger should not be operated in the immediate proximity of water. Doing so may result in electrical short and equipment damage.

2.4 Government Regulatory Information

2.4.1 FCC (United States Federal Communications Commission)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Modifications not expressly approved by SecureAlert could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

2.4.2 IC (Industry Canada)

RSS-GEN – User Manual Statements (English/[French](#))

Antenna Statement

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Licence exempt

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

