

Obstacles disappear with ReliAlert™'s House Arrest feature. Utilizing SecureAlert's beacon technology, the ReliAlert™ and our tamper-resistant transmitter, elevate SecureAlert's tracking capabilities to new heights. Whether the offender lives in a basement or works downtown, our House Arrest feature allows officers to tether an offender to any location.

ReliAlert™ User Guide

Introduction

In addition to current methods of monitoring offenders through ReliAlert™ and GPS tracking, SecureAlert's new product the eArrest Beacon and ReliAlert™ will provide agencies with significant advantages. These benefits would include:

- Greater flexibility in defining, monitoring and limiting offender movements or travel
- More precise tracking in difficult areas
- Lower numbers of false alarms related to occasional GPS inaccuracy
- Improvements in the overall costs of monitoring offenders

When this is combined with existing GPS tracking there are even more advantages.

What is the eArrest beacon?

The SecureAlert eArrest beacon is a device that utilizes radio frequency (RF) and complements existing global position system (GPS) offender tracking methods. The eArrest beacon is a completely self-contained short range transmitting station. Its purpose is to allow for more precise tracking of offenders in areas where GPS solutions may be insufficient, for example, inside multi-floor apartments where GPS signals are too weak.

The e Arrest beacon is placed inside an ideal location and is electronically assigned to one or more offenders wearing the ReliAlert™. Once activated the eArrest beacon and ReliAlert™ defines a location to which an offender is restricted for specific times or all day or night. If the offender leaves that location an alarm is sent to the SecureAlert Monitoring Center.

ReliAlert™ Hardware



ReliAlert™ Highlights

- Single unit device with active GPS monitoring supported by SecureAlert's 24x7 Monitoring Center
- Capable of secured local Radio Frequency (RF) Communication
- Two/Three-Way Communication allows:
 - Instant intervention by SecureAlert's Monitoring Center via voice communication directly to the ReliAlert™ device
 - Supervision Officers the ability to communicate with an offender via the device
- Internal battery allowing the ReliAlert™ device more than 24 hours of operation
- All voice communication on the ReliAlert™ device is digitally recorded and archived
- Water-proof (validated at 5ft. for up to 30 minutes)
- Tamper sensors continuously monitor the strap
- ReliAlert™ is capable of generating a audible siren (up to 95dB) that can be activated by a Supervision Officer or the Monitoring Center
- Internal CPU capable of a data “store and forward” function

GPS Locations

The ReliAlert™ continually monitors its location using the Global Positioning System (GPS) network. The device can acquire and maintain a valid GPS fix whenever it is in reception of four or more GPS satellites with sufficient signal strength. Certain factors such as atmospheric conditions or physical terrain may interfere with the ability to acquire a valid GPS locate.

Voice Communication

Communication to the device can only be made from the Monitoring Center. All other phone numbers are blocked to the ReliAlert™ device. Outgoing voice calls from the ReliAlert™ device are to a predefined number into the Monitoring Center. All calls to and from the monitoring center are digitally recorded and can be retrieved by request.

Voice quality on the device is subject to the same limitations as a standard cellular call. The Monitoring Center can call the offender through the ReliAlert™ device utilizing its cellular technology. In addition, the Monitoring Center can bridge a call from a supervision officer to the device. The ReliAlert™ device offers the offender one-button voice communication access to the Monitoring Center. The offender does not have the ability to accept, reject, or end inbound calls. The ReliAlert™ device will automatically accept the call at all times from the Monitoring Center.



Data Transmission

The ReliAlert™ device transmits and receives information to and from a specified server on the internet by way of the cellular GSM network using GPRS (General Packet Radio Service). All transmitted information is security encrypted, including location records, alarm notifications, configuration data, and remote alert commands sent to the device from the server.

Because data cannot be transmitted simultaneously with a voice call, SMS technology is used for the transmission of data when a voice communication is in progress.

Remote Alert Commands

The Monitoring Center or the Supervising Officer can remotely issue a vibrate alert, audible siren, or an audible alert to the ReliAlert™.

User Interface

The offender is alerted to alarm conditions by a combination of sensory feedback built into the ReliAlert™ device. The sensory feedback includes visual, multicolored LEDs or audible tones or vibrations generated by the device based on predefined alarm conditions.

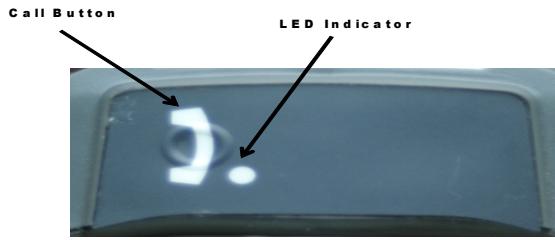
ReliAlert™ Device Interface

Indicator LED

Green, amber or red

Call Button

Initiates and disconnects outbound calls and powers up the device



Vibration Feature

Inside the device

Speaker

Under shield at the front of the device

Microphone

Bottom-left corner on front of the device

Internal Battery

Located on the bottom of the device



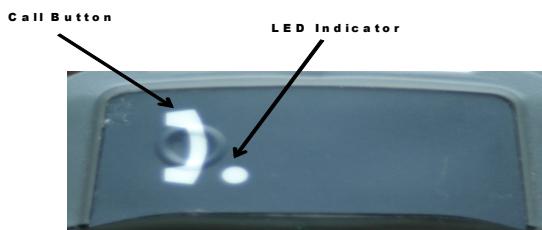
ReliAlert™ Device Power-Up

Prior to the device power-up sequence, the 12 volt AC adapter must be plugged into the device for two hours. This will charge the internal battery. A fully charged internal battery will provide over 24 hours of usage.

To power-up the device:

1. Press and hold the Call Button.

The Indicator LED illuminates and an audio tone is heard after approximately five seconds.



2. Release the Call Button when you hear the audio tone.

After a few seconds, listen for an “up waterfall” tone. This is the initialization of the cellular module from within the device. Once the unit has successfully connected to the cellular service, it will generate a “down waterfall” tone. This process may take up to one minute.

The indicator LED will begin to blink green every five seconds to indicate normal operation and battery status. If the internal battery is low the LED will blink red.

Once the device has connected to the cellular network, it is ready to receive GPS information. Upon the power-up sequence of the device, the Amber LED light will also blink in between the Green or Red blinks indicating battery status.

3. To obtain GPS, place the ReliAlert™ device outside, standing upright, in a non-obstructed area with an open view of the sky for a period of 5-15 minutes.

Once the device obtains its first valid GPS locate, the amber LED light will turn off. The amber LED light only operates during the power-up sequence of the device.

Internal Battery Charger

A fully charged internal battery will provide over 24 hours of operation. Under typical use the internal battery is 90% charged after charging for 60 minutes. However, it takes approximately 2 hours to optimally condition the charge on the internal battery.



To charge an internal battery:

1. Make sure the 12 volt wall adapter is connected to the device and the other end is plugged into the break-away cable. To plug in the adapter to the device, connect it to the open connection on the front of the device.
2. Plug the wall adapter into a power outlet.
3. Make sure that the “charging LED” illuminates on the device. The Green LED will only show after the device has been powered up.

Note: While device is connected to wall adapter a double green flash every 1 second of the LED indicator reflects that the internal battery is charging. A solid green light indicates the internal battery is fully charged. Following 3 hours of displaying a solid green, the LED indicator will return to the normal operation of a single green flash every 5 seconds. To confirm that battery is indeed fully charged, simply disconnect the power connector from the device and reinsert and then wait for 5 seconds, if fully charged the LED will show solid Green.

Offender Phone Calls

The ReliAlert™ can initiate and receive voice communication via the following:



- **Call Button** – Used to initiate or cancel outbound calls to the Monitoring Center
- **Speaker Ring Tone / Vibrate** – For incoming calls, the device vibrates for 5 seconds and also generates a ring tone. The device will automatically answer the call.

Calling the Monitoring Center

To initiate a voice call from device to the monitoring center:

1. Press the Call Button for five seconds.
2. Release the button when you hear two short audio tones.

To cancel a device-initiated voice call:

1. Press the Call Button for approximately five seconds until you hear two short audio tones.

Note: This feature is only available when the call was initiated by the offender. The offender cannot disconnect a call initiated by the Monitoring Center.

