



ShadoWatch User Manual and Guide

The ShadoWatch provides continuous location monitoring of designated enrollees through the use of an attractive tamperproof wristwatch, with color display and, is managed through the "ShadowTrackOne™ Platform"; A truly integrated solution for managing all aspects of offender and defendant in the community.

The ShadoWatch™ can be used as a stand alone solution or it can be paired with other services, such as self-report, sobriety, random drug testing, notifications, voice biometrics, facial recognition, payment processing, caseload management, and other services specific to community corrections and all managed from one unified easy to use platform.



The ShadoWatch™ incorporates WiFi, GPS and Location Based Services (LBS) technology to increase location accuracy while enhancing battery life. In addition, an officer can communicate through the watch directly with the enrollee by using two-way voice, individual or mass electronic messaging.

Screen Explanation



Screen 1 - Time Display - This screen displays the time in analog. Double tap to change between analog and digital display.



Screen 2 - Technical Information - Displays company name, device name, IMEI, and ICCID, Information required by the FCC, and other technical data. Double tap to enter Test Mode.



Screen 3 - SOS - This screen allows the wearer to place outbound phone calls. Holding the sensor for 10 seconds will initiate an outbound call to the number programmed into the SOS variable.



Screen 4 - Message - Displays a 140 max character message.

*This screen will only appear if there is a message to display. If no message is present to be displayed then this screen will be skipped in the cycle. Messages will be stored for 3 days. Devices can only hold 1 messages at a time and upon receiving a 2nd message the message on Screen 4 will be deleted and the remaining messages will be shuffled down. This will result in the oldest messages being deleted first and the newest messages being stored on Screen 4.

Using a Device

To turn on a device: hold the sensor down for 5 seconds.

To switch screens: tap the right sensor once. This will move the device to the next screen.

To charge a device: line the charging block, prong side down, to the top of the device opposite the sensors. It takes about 1.5 hours to charge a device with a charging block. It takes about 2 hours to charge a charging block fully. Depending on your settings you should get between 24

and 30 hours of use out of a full charge. If you find the battery is dying to quickly lengthening the location frequency can extend the battery life.

When charging the charging block you will see a red light coming from the charging block. This light will turn blue when the block is fully charged. When charging the device you will see a red light coming from the charging block. When the device is fully charged you will see the light turn green.

Location Services

The device is set to prioritize the use of WiFi data for location services over the use of GPS for locations services. This is to conserve battery life. It will follow this priority even if it has poor WiFi signals.

Product List and Specifications

- Meet ISO9001 Standards
- Microcontroller
- Minimum 4 GB memory size
- Device can store up to 52 days worth of locations in case of unavailable network upload.
- Speaker for two-way voice communication via cellular network
- Microphone for two-way voice communication via cellular network
- Antennas support AT&T and T-Mobile 4G LTE, 3G, GPS & WIFI
- Cellular Module to support LTE CAT1 & 3G
- Cellular signal strength indicator
- Subscriber identity module (SIM)
- Proximity detector
- WiFi location data
- GPS location data
- LBS location data
- Programable location ping intervals
- Tracking Mode enabled and disabled via platform
- Airplane Mode set via platform
- Emergency (SOS) Button enabled via platform
- Ability to block unknown numbers from calling device

- Ability to allow only approved numbers to communicate with device set via platform
- Accelerometer (G-Sensor) period of inactivity set via platform
- Motion detected with no location data alerts
- Display Date, time, battery level icon, text
- Display size 1.54" color screen
- Vibration Alert enabled via platform
- Tamper proof watch band alerts
- Tamper Proof watch clasp
- Battery size (1000mAh)
- Default settings provide 30-48 hours of battery life
- Max battery charge time of 2.5 hours
- Minimum 500 battery life cycles
- Battery alert level set via platform
- Wireless magnetic inductive charging port
- Charging status alerts
- Wireless AC Charger
- Waterproof IP67
- Display characters greater than 30
- Ability to send push notifications via mobile app and platform
- Biometric Heart rate monitor inactivity set via platform
- Light sensor alert time set via platform (Proximity sensor)
- Step counter
- Exclusion & inclusion zone schedules
- Display with time, date, day, and battery level
- Screen forward & backwards heat sensor buttons
- Custom logo animation at startup
- Custom startup sound
- Automate voice communication to enrollee or officer based on alerts types

Federal Communication Commission Interference Statement

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.

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 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 report to officer for help.

FCC Caution:

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- Operational temperature :-20°C to +60°C

FOR PORTABLE DEVICE USAGE (<20mm from body/SAR needed)

Radiation Exposure Statement:

This device meets the government's requirements for exposure to radio waves.

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard for wireless device employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. *Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.