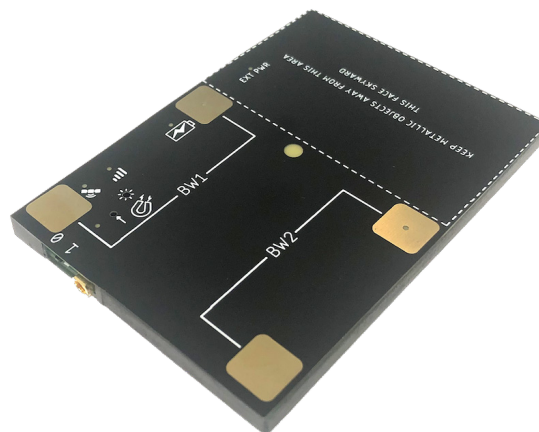




Cell-CAT™ Quick Start Guide

Charging

The internal battery may be charged by providing power to the USB-C port. Charge current is typically 250mA max. Dead batteries will fully charge in about 3 hours. Set the power switch to “1” (on) to see charge LED status, orange=charging, green=charged. Battery will continue to charge until full, as long as USB power is provided, even if the power switch is off (0). Set switch to “0” if you do not wish the device to operate while charging. Prolonged USB charging will not harm the device. Charging or powering through a 6 pin connector is also permitted. Input must be 4.7-6.3 VDC.



Connecting VHF Antenna

If Cell-CAT's VHF transmitter will be utilized, connect a VHF antenna to the MMCX connector near power switch. Push in firmly until it snaps in place. Pull to remove antenna. For best transmission, the antenna should be as straight as possible and away from metallic objects.

Powering On

Slide power switch to “1.” Cell-CAT will illuminate LEDs during initialization:

GPS Status

- Flashing **YELLOW**—Acquiring Satellite Fix
- Steady **GREEN**—Satellite Fix Acquired
- Solid **RED**—Unable to Acquire Satellite Fix

Cell Connection

- Steady **BLUE**—Initializing Cell-CAT
- Flashing **YELLOW**—Connecting to Cell Network
- Steady **GREEN**—Connected to Cell Network
- Solid **RED**—Unable to connect to Cell network

Note: After initialization, GPS, and Cell connections, LEDs will go dark and stay dark until power is turned off and on again. NO LEDs will light under any condition if unit is set to “covert” mode.

Configuration

To configure Cell-CAT refer to Cell-CAT Programming Guide.

Cellular Connectivity

Cell-CAT utilizes 4G LTE-M cellular connectivity to report data and may be configured via iOS app or server using cellular connection.

Cleaning

To clean Cell-CAT, use a damp towel with mild soap or rubbing alcohol. Do not rinse in water. Cell-CAT is not water-resistant.

Warning

Cell-CAT contains a Lithium-Ion battery pack and requires proper disposal. Do not dispose of in fire or incinerate.

Keep-out area

Cell-CAT has internal GPS and cellular antennas. For best signal reception, keep metallic objects away from areas bounded by dashed-lines on top and bottom.

VHF Transmitter Specifications

150.000-173.390 MHz in 2.5 KHz steps
(136.000-173.390 MHz for Federal users)
Output power: settable 0 (off) to 100 mW

216.0125-216.9875 MHz in 12.5 KHz steps
Output power: settable 0 (off) to 50 mW

Training, Support, and Service

For training, support, and service, please contact Special Services Group, LLC, 1-209-682-5026.

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NOTICE: THIS PRODUCT IS RESTRICTED TO LAW ENFORCEMENT USE

FCC Information



FCC ID: 2AIQACCT

Contains FCC ID: R17ME310G1WW, Contains IC: 5131A-ME310G1WW

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.

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Sierra Innotek, Inc. may void the user's authority to operate the equipment.

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 device may not interfere with TV reception or Federal Government radar. This transmitter is authorized by rule under the Low Power Radio Service (47 CFR Part 95) and must not cause harmful interference to TV reception or to the United States Air Force Space Surveillance System operating in the 216.88–217.08 MHz band. With the exception of automated maritime telecommunications system (AMTS) devices, you do not need an FCC license to operate this transmitter. This transmitter may only be used to provide: auditory assistance to persons with disabilities, persons who require language translation, or persons in educational settings; health care services to the ill; law enforcement tracking services under agreement with a law enforcement agency; or AMTS network control communications. Two-way voice communications and all other types of uses not mentioned above are expressly prohibited.

RF Exposure warning statements:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20cm between the radiator and the body of the user or nearby persons. This device complies with FCC OET bulletin 65 radiation exposure limits set forth for an uncontrolled environment.

The information in this guide may change without notice. The manufacturer assumes no responsibility for any errors that may appear in this guide.