

# User guide.

**verizon**<sup>v</sup>

Smart Locator

Model: LT70B

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# 1

## ***Getting Started***

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Overview  
Components  
Light Indicator and Button Operation  
Battery Management

## Overview

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Thank you for choosing the Smart Locator!

Keep track of the things you love when they're connected to America's Most Reliable Network. The Verizon Smart Locator lets you find your valued possessions and set up electronic boundaries that alert you when the Smart Locator crosses them.

- **Attach it** to things you want to keep tabs on, like your keys, bike or luggage.
- **Clip it** to your backpack or purse, so you can find them if they get lost.
- **Leave it** in your car, so you can find it in a crowded parking lot.

## System Requirements

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- Compatible with all Android and iOS smartphones and tablets
- Wireless data connection through your wireless operator's network or a Wi-Fi network
- Capability of downloading and installing the Companion Application

# Components

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1. **Key ring accessory** – Attach the key ring accessory to the groove lane on the side of the Smart Locator
2. **Belt clip accessory** – Attach the belt clip accessory to the groove lane on the side of the Smart Locator
3. **Light indicator** – The light indicator lights up green, amber, red, and solid or blinking to show operation status.
4. **Button** – Press the button to turn on/off the device, send location.
5. **QR code label** – The QR code label has the device information. Scan the QR code when you try to pair the Smart Locator with your smartphone application.
6. **Charging port** – Connect the charging cable to the port to charge your Smart Locator.
7. **Charing cable** – Use the cable to charge your Smart Locator.

## Light Indicator and Button

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- The light indicator is located right above the Verizon Wireless logo. It's not visible when the light is off.
- The button is in the center of the lower half of the device.

### Light Indicator operation

Operations	Status
Off	<ul style="list-style-type: none"><li>• Disconnected to a charger and on normal operation</li><li>• Powered off</li></ul>
Amber Solid On	The locator is powering on.
Amber Blinking	Ready to pair with your smartphone.
Green Solid On	Connected to a charger and the battery is fully charged.
Green Blinking	Connected to a charger and the battery is being charged.

**Note:** When the Smart Locator is turned off, connecting to a charger doesn't turn on the light indicator even though the battery is still being charged.

## Battery Management

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Your Smart Locator has a non-removable, embedded, and rechargeable battery.

**Note:** Please do not attempt to open or disassemble your Smart Locator. Doing so may cause damage that voids your warranty.

Charge the battery by connecting to a USB power source with the cable provided together with your Smart Locator. If the Smart Locator is on, while the battery is charging, the light indicator will blink green. When the battery is charged, the light indicator will change to solid green.

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**IMPORTANT!** Please use only an approved charging cable to charge your Smart Locator. Improper handling of the charging port, as well as the use of an incompatible charging cable, may cause damage to your device and void the warranty.

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# 2

## ***Using Your Smart Locator***

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- Accessing the Network
- Using Your Smart Locator for the First Time
- Pairing your Smart Locator with your smartphone
- Using Your Smart Locator After Setup is Complete

## Accessing the Network

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Your Smart Locator is for tracking location only, not for wireless data service. The Smart Locator accesses the LTE Category M1 network only to send/receive data to/from the server your Smartphone Application is communicating with. LTE Category M1 is a narrow band data network for IoT (Internet of Things) devices.

### 4G LTE Category M1\*

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- Download: typical speeds <= 1 Mbps.
- Upload: typical speeds <= 1 Mbps.

**NOTE:** This Smart Locator supports 4G LTE Cat M1 only. 3G fallback service is not supported.

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### Wi-Fi 802.11b/g/n\*\*

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- 802.11b/g/n uses the 2.4 GHz frequency

\* Speeds shown are those published by 3GPP and are theoretical in nature. Actual throughput speed and coverage may vary.

\*\* The Smart Locator uses Wi-Fi for location determination purpose only. No data transaction over Wi-Fi networks.

## Using Your Smart Locator for the First Time

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### System Requirements

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Your smartphones or tablets need a wireless data connection through your wireless operator's networks or through a Wi-Fi network and needs to have the capability of downloading and installing Android or iOS applications.

### 4G LTE SIM Card

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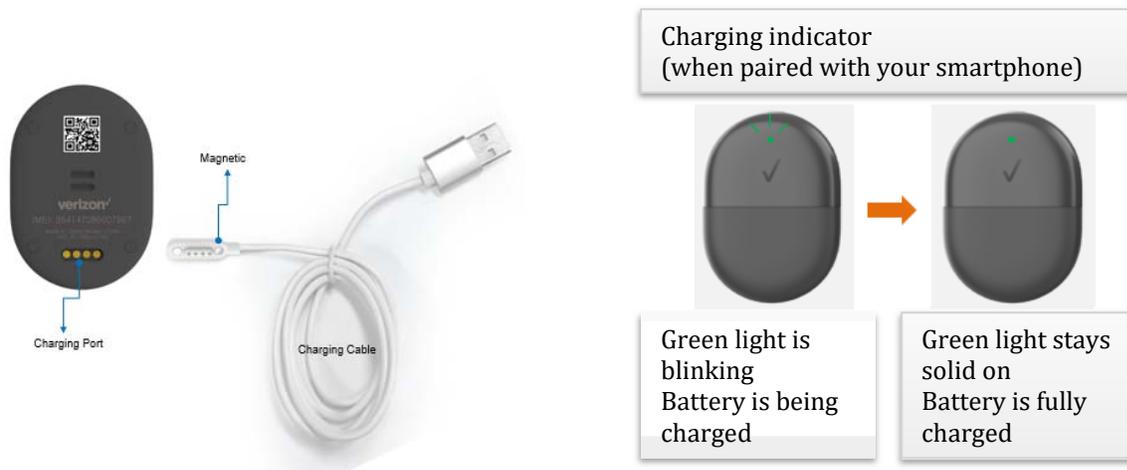
Your SIM (Subscriber Identity Module) card is pre-installed in your Smart Locator and is not removable.

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### Charging the Battery

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Before using your Smart Locator, ensure that the battery is fully charged. Be sure to use the charging cable that came with your Smart Locator.



There are magnetics on both sides of the charging cable head and on both sides of the charging port of the Smart Locator. Simply put the cable head close to the charging port of the device. It will get connected by magnetic power.

**NOTE:** Your Smart Locator has an embedded (not removable), rechargeable battery. Do not try to open the device. Doing so may cause damage that voids your warranty.

- It normally takes at least 1~2 hours, depending on your power sources and device status to fully charge the battery.
- The battery discharges faster as you set more frequent location update set on your Smartphone Application. For an example, one location update for an hour lasts significantly longer than every 10 minutes.
- Battery life depends on the network, signal strength, temperature, features you set on the Application.
- When charging, keep your Smart Locator near room temperature.
- It is normal for batteries to gradually wear down and require longer charging time.

## Turning On/Off the Smart Locator

### Turn on Your Smart Locator

Press and hold the button until you hear ascending tone and see a green light flash. Amber light stays solid on while booting up, then starts to blink when it's ready to pair with your smartphone. If already paired with your smartphone, the light goes off unless it's connected to a charger.

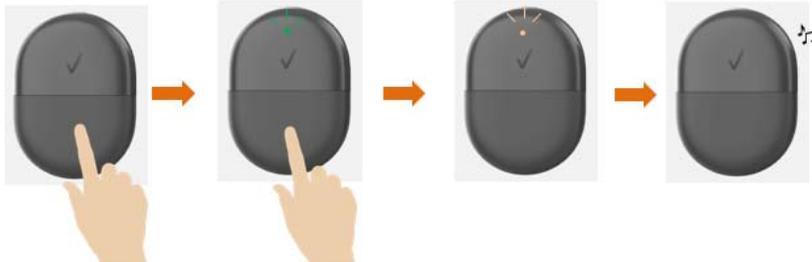


## Turn Off Your Smart Locator

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### When your Smart Locator is paired with your smartphone

Press and hold the button for 7 seconds, ignoring green light blinking, then release when amber light is blinking and press one more time. It sounds descending tone and goes off.



### When your Smart Locator is NOT paired with your smartphone

Press and hold the button for 7 seconds, ignoring amber light blinking, then release and press one more time. It sounds descending tone and goes off.

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**NOTE:** There could be sound or a light blinking during the 7 seconds holding the button depending on your locator's status. Ignore those and continue holding for 7 seconds, then release and press one more time to power it off.

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## **Pairing your Smart Locator with your Smartphone**

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### *Application Download*

Download the "Verizon Smart Locator Hub" application on your smartphone from Google Play™ Store or the Apple® App Store®.

### *Pairing your Smart Locator*

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Run the application and follow the instructions to pair your Smart Locator with your smartphone.

1. Create your account as instructed on the application
2. Add your Smart Locator:

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**NOTE:** The application screen can vary depending on your smartphone type and OS. Below is to give you an example as reference.

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- a. Turn on your Smart Locator. When the solid amber light changes to blinking, your Smart Locator is ready to pair



Press until you see green light is on shortly and hear ascending tone.

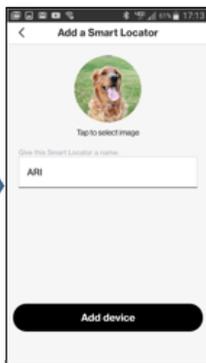
Amber light stays solid on (booting up)

Amber light starts blinking (ready to pair)

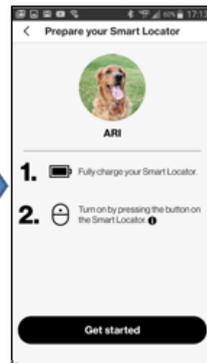
b. Follow the instruction on your Smartphone app.



Press "Add Smart Locator" or press menu icon (☰), then select "Add a Smart Locator".



Enter a name and a picture. Press "Add device"



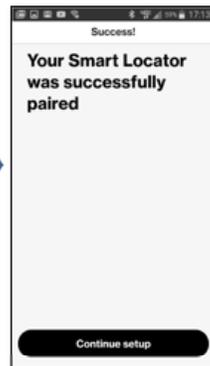
Press "Get started"



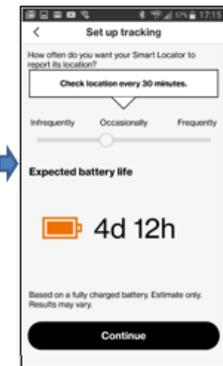
Press "Scan QR Code"



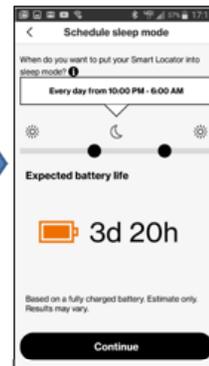
QR code scanned  
Press "Finish Pairing"



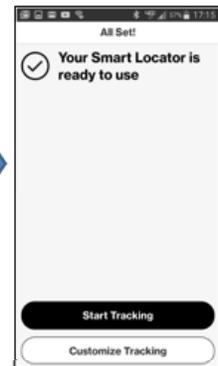
Press "Continue Settings"



Select frequency of reporting.  
Press "Continue"



Select sleep time.  
Press "Continue"



Press "Start Tracking"

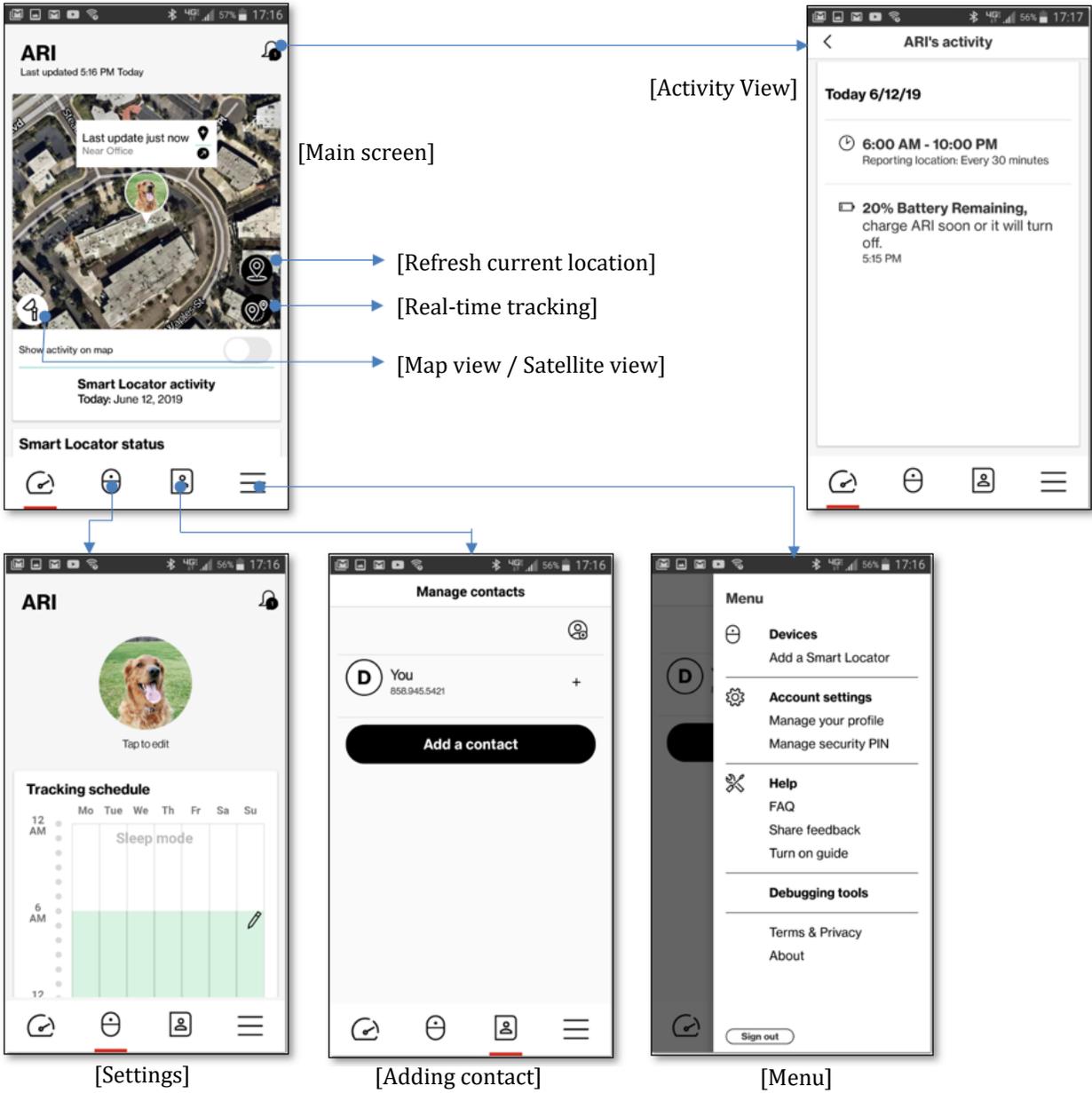
**NOTE:**

1. You can manually enter your Smart Locator IMEI number instead of scanning the QR code. The IMEI number is engraved on the back of the device below the QR code label.
2. When you scan the QR code, or manually enter the IMEI number, the application could redirect you to self-activation process if your Smart Locator is not activated on the network already. Follow the instruction and complete the self-activation process first.

# Using Your Smart Locator after Pairing is Complete

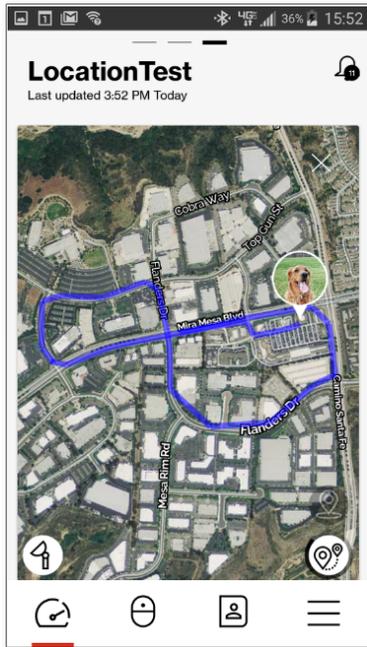
## Main screen menu

You can see the current location of your Smart Locator on the main screen. You can also refresh current location, ask real-time tracking. There are menu items on the bottom of the screen to change settings, add contacts, and other functions.



- **Refresh current location:** Press the button to refresh current location. Your Smart Locator will send the latest location to your Smartphone.

- **Real-time tracking:** Press the button to track your Smart Locator real time. Your locator will send the current location every 10seconds and trace on the map.



[Real-time tracking example]

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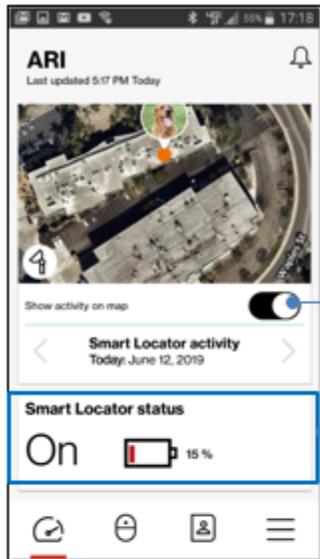
**NOTE:** Real-time tracking uses your Smart Locator's battery most significantly and makes it drain rapidly. Use this function only when you're really in need.

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- **Activity view:** Press the bell icon on the top right side of the main screen. The activity view shows tracking information, checkin location, battery status, geofence in/out information, and many other activities alerts your Smart Locator provides.
- **Settings:** You can change your Smart Locator settings such as tracking report frequency, sleep time, geofence setting and others. Follow the instruction on the application screen.
- **Adding contact:** You can share the location and other information with your family members or colleagues as you add. The contacts can see the information only, but they are not allowed change any settings on your Smart Locator.
- **Menu:** You can press the menu icon (≡) on the lower right corner of the main screen to see another menu you can choose.

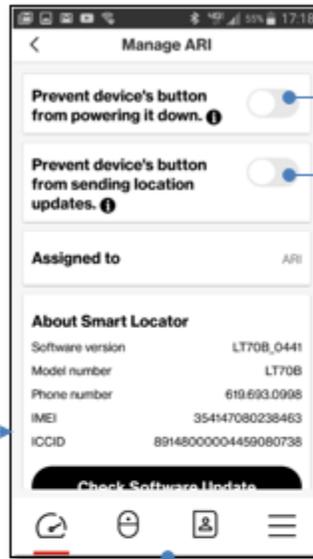
## Other functions on Smart Locator Status

Press the Smart Locator status to open “Manage Smart Locator” window. There are other items you can manage you Smart Locator.



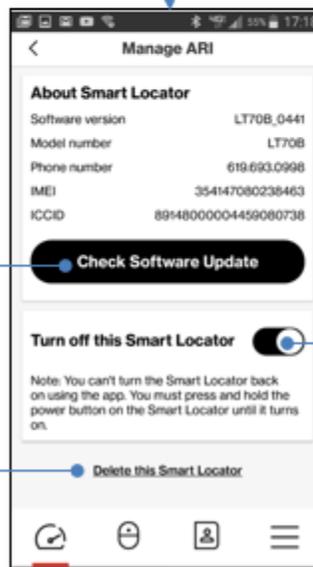
Slide to the right to see daily activity record

Press “Smart Locator status” to manage your Smart Locator



Slide to the right to prevent your Smart Locator to power off by accidental button press

Slide to the right to prevent your Smart Locator from sending location by accidental button press



Press the button to check if there is a new software available to download. Follow instruction on the application.

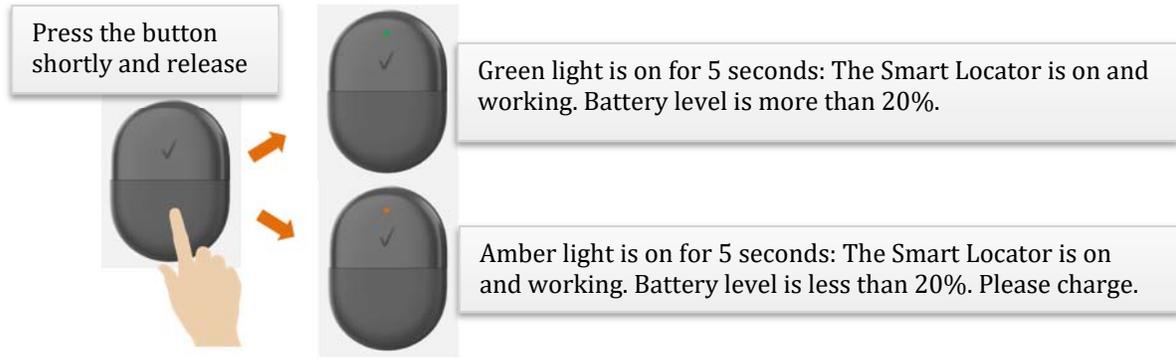
Press “Delete this Smart Locator” to break pairing between your smartphone and your Smart Locator

Slide to the left to power off your Smart Locator

## Button and light indicator (when paired with your smartphone)

While your Smart Locator is paired with your Smartphone, the button and light indicator work as below.

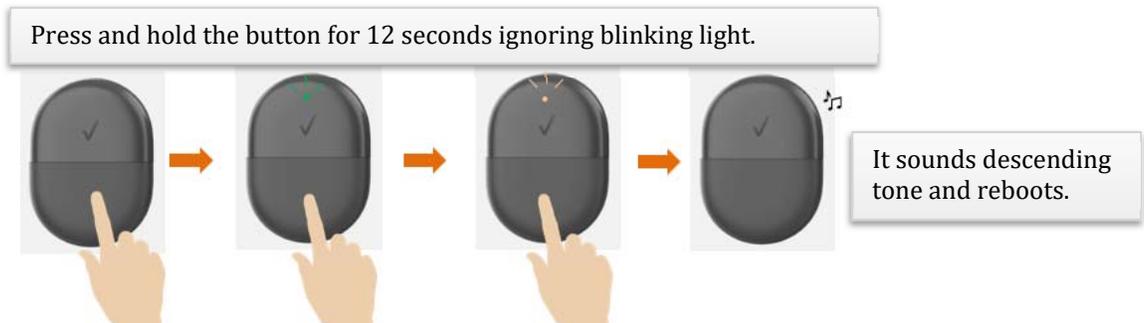
- Checking device status: Press the button shortly and release.



- Send current location: Press and hold the button for 3 seconds.



- Restart your Smart Locator (Soft Reset): Press and hold the button for 12 seconds:



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**NOTE:** Your Smart Locator has an embedded, non-removable battery. In case your device is completely locked up and not responding, there's emergency recovery process, Hard Reset. It works like disconnecting and connecting the battery back.

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# 3

## ***Troubleshooting***

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Overview  
First Steps  
Common Problems and Solutions  
Technical Support  
Specification

## Overview

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When used properly, your Smart Locator is a highly reliable product. Most problems can be attributed to one of the following issues:

- Network coverage is unavailable due to the coverage area, account problems, or a network problem.
- Device locked-up

The following tips can help solve many common problems encountered while using your Smart Locators.

## First Steps

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- 1 Make sure you are using your Smart Locator in the correct geographic region within service coverage.
- 2 Ensure that your wireless coverage extends to your current location by using the interactive Verizon coverage map tool.
- 3 Ensure that you have an active service plan.
- 4 Restarting your smartphone application and your Smart Locator can resolve many issues.

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**IMPORTANT!** Before contacting Verizon Customer Care, be sure to restart both your Smart Locator and Smartphone application.

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## Common Problems and Solutions

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### **My Smart Locator was just powered off without pressing the button. Why?**

This may occur under any of the following circumstances:

- Battery depletion. Your Smart Locator battery is drained less than 5%.
- “Turn off” button on your smartphone application is sided to the left.
- The device button is pressed accidentally.
- Software update over the air

To restore power, manually press and hold the button to turn on your Smart Locator. If the battery is depleted, charge the battery with the charging cable provided. Make sure “Turn off this Smart Locator” button on your smartphone application is slide to the right side.

### **My Smart Locator became not responsive at all to button press. It seems locked up completely. Why?**

First, your Smart Locator battery could be completely drained over time. Please charge it for 10 min and try to turn it on.

If the Smart Locator still does not power on, perform Hard Reset as below.

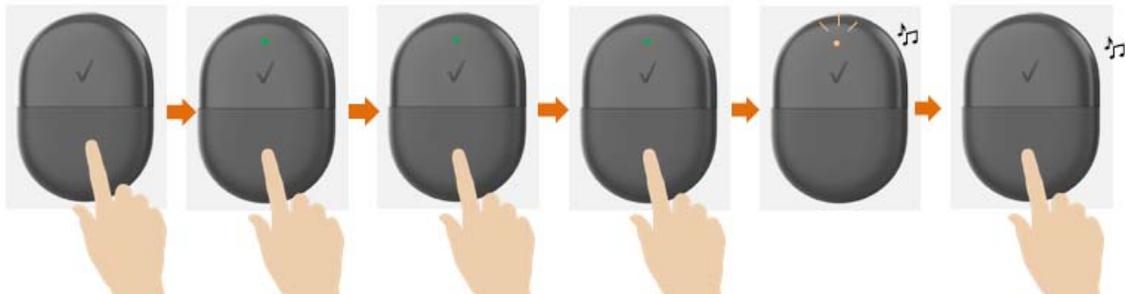


**NOTE:** Your Smart Locator has an embedded, non-removable battery. In case your device is completely locked up and not responding, there's an emergency recovery process, hard reset. It works like disconnecting and connecting the battery back to your Smart Locator

### **I deleted my Smart Locator from my smartphone application, then tried to pair it back, but I keep getting an error message. Why?**

When you deleted your Smart Locator from your smartphone application, if there was any communication error, your Smart Locator could be still in paired mode. Then, it could send a reject message when a new pairing message comes. Perform Factory Reset as below and try pairing again.

With the charging cable connected (the device is on and being charged), press the button 4 times (not too fast but 1 press each second). When the device sounds continuous beep and amber light is blinking, release the button and press firmly one more time.



### **What is the difference: Soft Reset (restarting), Hard Reset and Factory Reset?**

Soft Reset simply resets (restarts) your Smart Locator by software. Soft reset can be done only when your Smart Locator is on and working. Hard reset restores your Smart Locator from lock-up situation by hardware. In both cases, as soon as your Smart Locator is powered back on, it continues communicating with your smartphone application if paired already. Factory reset will return the device back to original factory settings. If paired before, it will be removed from your smartphone application. You need to pair it again to use your Smart Locator.

## ***Technical Support***

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For additional information and technical support, Contact Verizon Customer Care

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**IMPORTANT!** Before contacting Verizon Customer Care, be sure to restart both your Smart Locator and your smartphone application.

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## ***Specification***

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Operating System	Linux
Connectivity	Cat M1 LTE
Wi-Fi	802.11b/g/n
Processor	Modem / Baseband processor - Qualcomm MDM9206
Memory	RAM – 256MB / Flash – 256MB
Battery	400mAh Li-Ion
Dimensions	50.3 x 35.3 x 14.3 mm
Weight	24gram (0.85oz)
Color	Cool Gray 11C

# 4

## ***Regulatory Information***

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Regulatory Statements  
Safety Hazards  
Limited Warranty and Liability  
Trademark

# **Regulatory Statements**

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## ***FCC Equipment Authorization ID: XHG-LT70B***

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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.

### **SAR Information**

The exposure standard for your device uses a unit of measurement called the Specific Absorption Rate (“SAR”). SAR is the unit of measurement for the amount of RF energy absorbed by the body when using a mobile device. Although the SAR is determined at the highest certified power level, the actual SAR value of the device while in operation can be well below the level reported to the FCC. This is due to a variety of factors including its proximity to a base station, the design of the device and other factors. What is important to remember is that each device meets strict Federal Government guidelines. Variations in SARs do not represent a variation in safety. All devices must meet the federal standard, which incorporates a substantial margin of safety. SAR values at or below the federal standard of 1.6 watts/kg (W/kg) are considered safe for use by the public. This product meets current FCC Radio Frequency Exposure Guidelines.

Additional details at FCC website:

[www.fcc.gov/oet/ea](http://www.fcc.gov/oet/ea)

## ***Body-Worn Operation***

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Please note this important safety information regarding radio frequency (RF) radiation exposure and near-body operation. To ensure compliance with RF exposure guidelines, the device must be used at least 5 mm from your body. Failure to observe this warning could result in RF exposure exceeding the applicable guideline limits.

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.

**FCC CAUTION:** Any changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

**NOTE:** The Radio Frequency (RF) emitter installed in your modem must not be located or operated in conjunction with any other antenna or transmitter, unless specifically authorized by Franklin Wireless.

## ***Safety Hazards***

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### **Follow Safety Guidelines**

Always follow the applicable rules and regulations in the area in which you are using your device. Turn your device off in areas where its use is not allowed or when its use may cause interference or other problems.

### **Electronic Devices**

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, inadequately shielded electronic equipment may be affected by the RF signals generated by your device.

### **Medical and Life Support Equipment**

Do not use your device in healthcare facilities or where medical life support equipment is located as such equipment could be affected by your device's external RF signals.

### **Pacemakers**

- The Health Industry Manufacturers Association recommends that a minimum separation of six inches must be maintained between a device and a pacemaker in order to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers should always follow these guidelines:
- Always keep the device at least six inches away from a pacemaker when the device is turned on.
- Place your device on the opposite side of your body where your pacemaker is implanted in order to add extra distance between the pacemaker and your device.
- Avoid placing a device that is on next to a pacemaker (e.g., do not carry your device in a shirt or jacket pocket that is located directly over the pacemaker).
- If you are concerned or suspect for any reason that interference is taking place with your pacemaker, turn your device OFF immediately.

### **Hearing Devices**

When some wireless devices are used with certain hearing devices (including hearing aids and cochlear implants) users may detect a noise which may interfere with the effectiveness of the hearing device.

### **Use of Your Device while Operating a Vehicle**

Please consult the manufacturer of any electronic equipment that has been installed in your vehicle as RF signals may affect electronic systems in motor vehicles.

Please do not operate your device while driving a vehicle. This may cause severe distraction and in some areas, it is against the law.

### **Use of Your Device on an Aircraft**

Using your device during flight may violate FCC regulations. Because your device may interfere with on-board electronic equipment, always follow the instructions of the airline personnel and turn your device OFF when instructed to do so.

### **Blasting Areas**

In order to avoid interfering with blasting operations, your device should be turned OFF when in a blasting area or in an area with posted signs indicating that people in the area must turn off two-way radios. Please obey all signs and instructions when you are in and around a blasting area.

### **Proper Battery & Adapter Use and Disposal**

- Do not disassemble or open crush, bend or deform, puncture or shred.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.
- Only use the battery for the system for which it is specified.
- Only use the battery with a charging system that has been qualified with the system per CTIA Certification Requirements for Battery System Compliance to IEEE 1725. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.
- Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard. Only authorized service providers shall replace battery.
- Promptly dispose of used batteries in accordance with local regulations.
- Battery usage by children should be supervised.
- Avoid dropping the device or battery. If the device or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- Improper battery use may result in a fire, explosion or other hazard.

## ***Limited Warranty and Liability***

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### **Manufacturer's Limited One-Year Warranty:**

Franklin Wireless (the "Company") warrants to the original retail purchaser of this device, that should the product or any part thereof, during normal consumer usage conditions, be defective in material or workmanship that results in product failure within the first twelve (12) month period from the date of purchase, such defects will be repaired or replaced, with a new or refurbished

product at the Company's discretion, without charge for parts and labor directly related to the defect(s). This warranty extends to consumers who purchase the product in the United States, and it is not transferable or assignable. This warranty does not apply to:

- (a) Products subject to abnormal use or conditions, accident, mishandling, neglect, unauthorized alteration, misuse, improper installation or repair or improper storage;
- (b) Products whose mechanical serial number or electronic serial number has been removed, altered, or defaced;
- (c) Damage from exposure to moisture, humidity, excessive temperature or extreme environmental conditions;
- (d) Damage resulting from connection to, or use of any accessory or other product not approved or authorized by the Company;
- (e) Defects in appearance, cosmetic, decorative or structural items such as framing and non-operative parts;
- (f) Damage from external causes such as fire, flooding, dirt, sand, weather conditions, battery leakage, a blown fuse, theft or improper usage of any electrical source.

The Company disclaims liability for removal or reinstallation of the product, for geographic coverage, for inadequate signal reception by the antenna or for communications range or operation of the cellular system as a whole.

Franklin Wireless is not responsible for and does not guarantee restoration of any third-party software, personal information or memory data contained in, stored on, or integrated with any wireless device, whether under warranty or not, returned to an authorized service center for repair or service. To obtain repairs or replacement within the terms of this warranty, the product should be delivered with proof of warranty coverage (e.g., a dated bill of sale), the consumer's return address, daytime phone number and/or fax number and complete description of the problem, transportation prepaid, to the place of purchase or to an authorized service center for repair or replacement processing. In order to be referred to an authorized service center in your area, please contact Verizon Wireless Customer Service at (800) 922-0204 or visit [www.verizonwireless.com/support](http://www.verizonwireless.com/support)

The extent of the Company's liability under this warranty is limited to the repair or replacement provided above and, in no event, shall the Company's liability exceed the purchase price paid by purchaser for the product.

Any implied warranties, including any implied warranty of merchant ability or fitness for a particular purpose, shall be limited to the duration of this written warranty. In no case shall the Company be liable for any special consequential or incidental damages for breach of this or any other warranty, express or implied, whatsoever. The Company shall not be liable for the delay in service under this warranty or loss of use during the time the product is being repaired or replaced.

No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale, repair or replacement of this product.

Some states do not allow limitations on how long an implied warranty lasts on the exclusion or limitation of incidental or consequential damage so the above limitation or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Franklin Wireless Corp.  
9707 Waples Street, Suite 150  
San Diego, CA 92121

## ***Trademark***

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## ***Document Revision History***

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