

XT601 Product Information

Online tracking platform and reports available at login.skytrack.com.au

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SkyTrack
SAFETY & ASSURANCE 24/7



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FEATURES

Telstra 3G & 4G coverage

Using Australia's broadest reaching mobile network, the XT601 works with either the Telstra 3G or 4G networks making it future proof. It is VoLTE ready and will continue to function beyond the shutdown of the Telstra 3G network scheduled for July 2024.

Wi-Fi data support

In addition to connecting using the Telstra mobile network, the XT601 can be configured to connect using a local Wi-Fi network. This is helpful when carrying the device within buildings that may suffer from poor Telstra mobile reception. The Wi-Fi network connection can relay all alarm signals and status updates.

GPS + Wi-Fi positioning

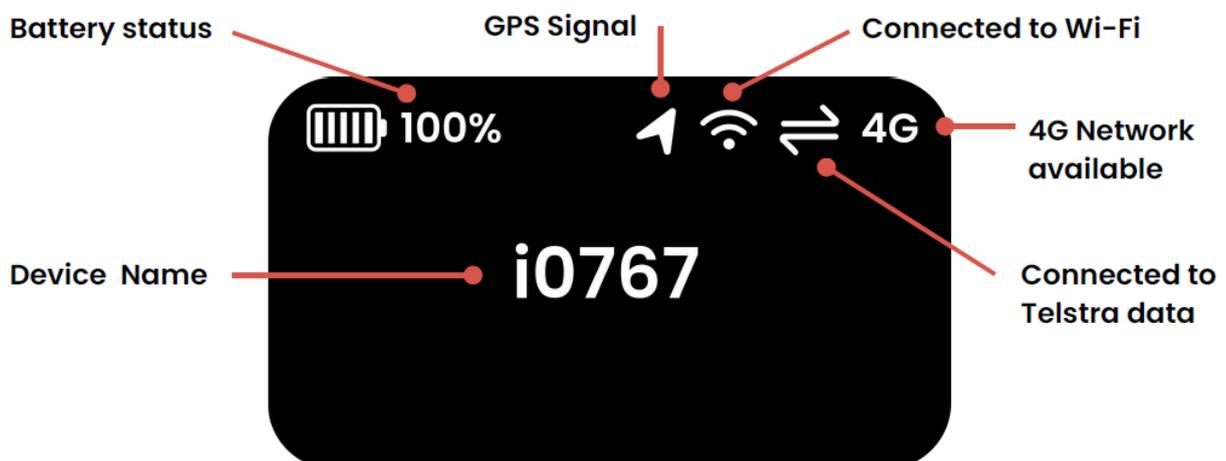
With an inbuilt GPS receiver, the XT601 is able to determine its precise location. This works best when there is a clear view of the sky and accuracy to within 10m is achievable. When indoors this accuracy can drop due to GPS drift. The device always stores its last known GPS location and this is reported if no GPS signals are available. To improve indoor location accuracy, the XT601 also supports Wi-Fi based positioning. By detecting and reporting nearby Wi-Fi signals, these can be used to determine location. Note: Wi-Fi positioning requires surveying a building for known Wi-Fi repeaters and their physical locations.

Automatic time-based tracking

The XT601 automatically sends regular tracking updates every 5 minutes to our online tracking platform. This ensures up to date location and status information is available as well as providing historical information for reporting purposes. The update frequency can be increased or decreased depending on usage requirements.

Information Screen

The XT601 features a prominent information screen on the front of the device to display battery level, connection status and device messages and reminders.



Long standby time with smart sleep

With smart sleep, the XT601 will automatically power down the GPS module when the device has been stationary for more than 5 minutes. This greatly increases battery life and gives an exceptional standby time of up to 5 days from a single charge.

USB charging

The XT601 is supplied with a USB wall plug and a USB magnetic charging lead. This can be used with any USB compatible power source, including vehicle USB ports. Charging from 0-100% will take approximately 3hrs. Disconnect the charging cable once charging is completed.



Figure 1. Using the magnetic charging lead

Versatile carry options / Silicon case

The XT601 is supplied with a silicon case, a belt clip and a triple break-away safety lanyard to provide a variety of different carry options. The XT601 weighs just 72 grams and is similar in size to a match box making it very easy to carry.



Figure 2. Silicon case



Figure 3. Using a safety lanyard



Figure 4. Using a belt clip

CONFIGURABLE DEVICE ALARMS

The XT601 has many alarms that can be configured for use. These include:

- SOS/Duress
- Fail to check-in
- Person down/Fall
- Low battery
- Enter/Exit defined location
- Motionless
- Speeding

All alarms can be independently configured to notify our Control Room and/or alert via Email and/or alert via SMS. All historical alarm messages can be reported on using the online tracking platform.

SOS/Duress

The SOS alarm is triggered by pressing and holding the SOS button prominently positioned in the centre of the device. When triggered, the device will automatically send your current location to our Control Room notifying them of your emergency. They will respond by initiating 2-way voice communication through the device and escalate to emergency services as required. After an SOS is triggered, the device will automatically switch to sending location updates every minute for 30 minutes to ensure our Control Room operators and emergency services can track your exact location.

Automated Welfare checks and Check-Ins

The XT601 allows users to 'check-in' at any time by pressing and holding the top side button for 3 seconds. This will send an instantaneous location update to the tracking platform which can be used for reporting purposes.

When combined with our Automated Welfare Checking System, users will be reminded to check-in at predefined intervals while carrying the device. If they fail to perform a check-in after receiving a reminder, a failed to check-in alarm is generated. The check-in interval is configurable along with hours of operation and reminder period. Whenever the device is connected to the charger, the check-in feature is automatically suspended.

Person down/fall alarm

The XT601 has inbuilt accelerometers and can detect falls and/or sudden impacts. When enabled, if the device detects a shock greater than a predefined threshold, the device will begin to beep and vibrate. If this is not acknowledged within 20 seconds, by pressing any button on the device, an alarm is generated. The shock sensitivity, and acknowledgment period are customizable.

Low Battery

When the XT601 battery level falls below 30%, a low battery alarm is generated. The current battery level is always shown in the top left of the information screen. The battery level together with current charging status is also available via the online tracking platform.

Enter/Exit predefined locations

The XT601 can be configured to generate an alarm whenever the device enters or leaves a predefined map area. Map areas are defined by a rectangle (top left and bottom right coordinates) Due to GPS drift, areas less than 100m x 100m may result in false alarms.

Motionless

The XT601 is equipped with a motionless alarm to detect periods of no movement. When enabled, if the device detects a predefined period of inactivity it will begin to beep and vibrate. If this is not acknowledged within 20 seconds by pressing any button on the device, a motionless alarm is triggered. The period of inactivity and acknowledgment period are customizable.

Speeding

Using the inbuilt GPS receiver, the XT601 detects and reports current speed. The device is equipped with an over speed alarm which is triggered whenever the device travels above a predefined speed limit.

SPECIFICATIONS

Supported Alarms	SOS/Duress, Fail to check-in, Enter/Exit defined location, Low battery, Speeding, Person down/Fall, Motionless
Track on Demand	✓
Track by Time Interval	✓
2-Way Voice Communication	✓
Automated Welfare Checks	✓
Water resistance	IP67
Operating temperature	-20°C to 60°C (charging 0-40°C)
Battery	Li-ion 5.32Wh, 3.8V @ 1400 mAh
Standby time	Up to 5 days
Active use time	Up to 48 hrs
Positioning modes	GPS/Wi-Fi
GPS Accuracy (clear sky)	10m
Telstra coverage	3G(850) / 4G(700,900,1800,2100,2600)
Charger connection	Magnetic USB cable
Dimensions (mm, height x width x depth)	68 x 45 x 20
Weight	72g
Carry options	Lanyard, Belt clip, Silicon case

PRODUCT SAFETY AND USAGE WARNINGS

Warnings

- Do not store or operate the device in temperatures below -20°C or above 60°C.
- Do not charge the device in temperatures below 0°C or above 40°C.
- Do not leave in direct sunlight.
- Do not leave on charge for extended periods of time as this will reduce battery life. Remove from the charger once charging is complete.
- The device contains an internal speaker for hands free communication with the Control Room operators. Do not place it next to the ear as the noise level could be too loud and harmful to hearing.
- Do not open the device. Please contact info@skytrack.com.au for maintenance and repair.
- If the device is in contact with water, dry the device with a clean cloth.
- Clean with a sponge and water or alcohol/sanitizer wipe.
- Handle with care. If the device is damaged or deformed in any way, cease use and contact info@skytrack.com.au for a replacement.

Privacy

By design, the device sends information every 5 minutes to the online platform that includes the device identifier, latitude and longitude coordinates and device specific stats (temperature, battery status) and is accessible by our Control Room operators in case of emergency, and other users who have been authorized by your organization. Anyone carrying a duress alarm should be made aware of this. The device must not be used in a way that compromises a person's right to privacy.

Regular Testing – at least every 3 months

Devices should be tested at least once every 3 months. The following items should be reviewed during testing:

1. Physical inspection of the device
 - a. Check the device for any signs of damage, missing buttons, missing clips or screws.
 - b. Check the device charger connections and ensure the device turns on and can charge.
2. SOS activation test with the Control Room
 - a. Ensure the device is turned on.
 - b. Activate the SOS and wait for the Control Room operator to connect.
 - c. Give your nominated 'All Clear' voice code and inform this is a test only.
 - d. Confirm the alarm signal is received, Control Room voice communications are clear and reported location is accurate.
3. Review emergency contact details

- a. It is imperative that the Control Room has up to date contact information for each duress alarm.
- b. If any emergency contact details have changed, including the device holder(s), and their contact details, notify info@skytrack.com.au.

If there are any concerns identified during testing, please cease use and contact info@skytrack.com.au for assistance.



Internal li-ion battery

The device contains an internal li-ion battery cell. Do not puncture or deform the device as this may risk rupturing the battery cell resulting in fire. If the device is physically damaged or deformed, cease use immediately and contact info@skytrack.com.au for a replacement.



Li-ion

Disposal of devices

Please dispose of the device responsibly as e-waste. Do not place in general waste. For help with proper disposal, please contact info@skytrack.com.au.



TESTING CERTIFICATION

AS/CA S042.1:2015, AS/CA S042.4:2015	ETSI EN 300 328 V2.2.2 (2019-07)
AS/NZS 4268:2017+A1:2021	ETSI EN 301 489-1 V2.2.3 (2019-11)
AS/NZS 62368.1:2018	ETSI EN 301 489-17 V3.2.4 (2020-09)
AS/NZS CISPR 32:2015+A1:2020	ETSI EN 301 489-19 V2.2.1 (2022-07)
	ETSI EN 301 489-52 V1.2.1 (2021-11)
EN 50360:2017	ETSI EN 301 908-1 V15.1.1 (2021-09)
EN 50566:2017	ETSI EN 301 908-13 V13.2.1 (2022-02)
EN 50663:2017	ETSI EN 301 908-2 V13.1.1 (2020-06)
EN 62209-1:2016	ETSI EN 303 413 V1.1.1 (2017-06)
EN 62209-2:2010/A1:2019	
EN 62479:2010	
EN 62133-2	

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