

# TALITRIX

May 12, 2023

## T-BAND USER MANUAL On-boarding and Management

Talitrix

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# Talitrix T-Band

The T Band is a custom Android 11 Go wearable based on the Qualcomm 4100 + sensor hub platform. The band is designed for tracking people who have some interaction with the criminal justice system, such as those on parole or probation and/or non-citizens who are tracked for administrative purposes.

## Product Features

- Tamper Resistant Wristband
- Android Go Operating System
- 4G LTE Network Communication Module
- Bluetooth
- High accuracy location resolution via GPS/ 4G / Wi-Fi  
Magnetometer + Gyroscope + Accelerometer and Barometer
- Battery life up to 4 days\*
- Two Way Text Messaging for Account Management
- IP68 Water-Proof and Dust Proof
- Offline Tracking Capable
- Real Time Tracking
- Device Alarms for – Low Battery – Tamper – Zone Violations
- Device meets NIST 800-161 Criteria
  - I. ESD (IEC 61000-4-2)
  - II. PTCRB
  - II. FCC Part 1
- Battery life may vary depending on activities.



## Security You Can Trust

- Tamper alert system covers both the app and band
- Tamper-resistant band
- Unique lock requires specific tooling to secure both mechanically and electronically
- Tracking data is stored securely in the cloud

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# Talitrix T-Band

## Product Specifications

- CPU / Memory
- Qualcomm 4100 Snapdragon
- 1GB RAM
- 8GB FLASH
- No co-processor

## Radios

- Assisted GPS - LTE for US Carriers, bands 2, 4, 12
- Wi-Fi 802.11 b/g/n
- Bluetooth 4.2 with BLE compatibility
- Soldered SIM preloaded by carrier
- Quectel BG77 module

## Interface

- LCD display with touchscreen
- 2MP Camera
- Microphone
- Piezo Hepatic Motor

## Charging

- Charging will be accomplished with a clip-on attachment with its own battery. The clip-on itself will be charged through USB-C.
- The external battery in the clip-on power bank has 2x the capacity of the watch battery.

## Environmental

- Operating ambient temperature -10C to 50C
- Charging temp 0C to 40C
- Storage temp -20C to 50C
- Meets IP68 environmental standards
- 1 Meter drop height survivability
- Scratch resistant glass

Item	Description	Part Number	Manufacturer
Memory 1G RAM 8G FLASH	IC,08EPOP08-NL3DT227,eMCP5.0, 1GB DDR + 8GB eMMC,-25°C to 85°C,136PIN,POP	08EPOP08- NL3DT227	KINGSTON
Microphone/ Speaker	IC,AW8838FCR,DIGITAL SMART K ADUIO PAJ2S TDM INPUT INPUT,-40 to 85°C,QFN2X3-20L	AW8838FCR	AWINIC
Power Management	IC,PMW-3101-0-219WLPSP-MT-02-0,POWERMANAGEMENT IC,5.05*5.64*0.53mm,-30 to 85°C,WLPSP-219PIN	PMW-3101-0- 219WLPSP-MT-02-0	QUALCOMM
4100 Snapdragon	IC,SDM-429W-1-575PNSP-MT-01-0-AB,CPU,ARM CORTEX-A53 MICROPROCESSOR QUAD CORES UP TO 2 GHZ,LTE Cat4,10.0*10.0*0.69mm,-30 to 85°C,PNSP-575PIN	SDM-429W-1- 575PNSP-MT-01-0- AB	QUALCOMM
Wi-Fi	IC,WCN-3620-0- 61WLNSP,WLAN802.11b/g/n+BT4.0+FM,WLNSP,61-BALL	WCN-3620-0- 61WLNSP-TR-05-0	QUALCOMM
Sensors	IC,ICM-42607-T,3D ACCELEROMETER AND 3D GYROSCOPE SENSOR,2.5*3*0.81mm,-40 to 85°C,LGA-14PIN	ICM-42607-T	TDK
Modem/LTE	IC,WGR7640,GPS,GLONASS,COMPASS,65nm RF CMOS,2.07*1.51*0.63mm,17WLNSP	WGR-7640-0- 17WLNSP-SR-32-0	QUALCOMM

## DISCLAIMER

- Replacement of a **battery** with an incorrect type that can defeat a **safeguard** (for example, in the case of some lithium battery types)
- Disposal of a **battery** into fire or a hot oven, or mechanically crushing or cutting of a **battery**, that can result in an **explosion**
- Leaving a **battery** in an extremely high temperature surrounding environment that can result in an **explosion** or in the leakage of flammable liquid or gas
- A **battery** subjected to extremely low air pressure that may result in an **explosion** or the leakage of flammable liquid or gas

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## T BAND SIDE BUTTON FUNCTIONS



Press Once - Awaken Watch

Press Again - Return Function

Press and hold for 3 seconds - Return to home screen

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- Leaving a **battery** in an extremely high temperature surrounding environment that can result in an **explosion** or in the leakage of flammable liquid or gas
- A **battery** subjected to extremely low air pressure that may result in an **explosion** or the leakage of flammable liquid or gas



## LABEL AND E-LABEL DESCRIPTION

### Label:

Following laser marking can be found on the back of the device:

- FCC ID:
- Serial Number (S/N):

### E-Label:

Viewing E-Label Regulatory and Compliance Information

The label for this device is provided electronically. The e-label may provide regulatory information, such as identification numbers provided by FCC or regional compliance marking, as well as applicable product and licensing information.

1. From the watch face, click Menu
2. Scroll to QR Code and click to display the following:
  - I. BRAND: TALITRIX
  - II. MODEL: TBQC4100OV1
  - III. FCC ID: 2AOHHTBAND
  - IV. IC: 23465-TBAND
  - V. CONTAINS FCC ID: XMR201912BG77
  - VI. CONTAINS IC: 10224A-201912BG77

The above information is programmed by Talitrix, LLC in such a manner that third parties cannot modify it. a) "No special accessories or supplemental plug-ins (e.g., installation of a SIM/USIM card) are required to access the information. Access to the information is provided without special codes, accessories, or permissions beyond the normal security protection to unlock the screen, sign-in page, or overall product access.

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