

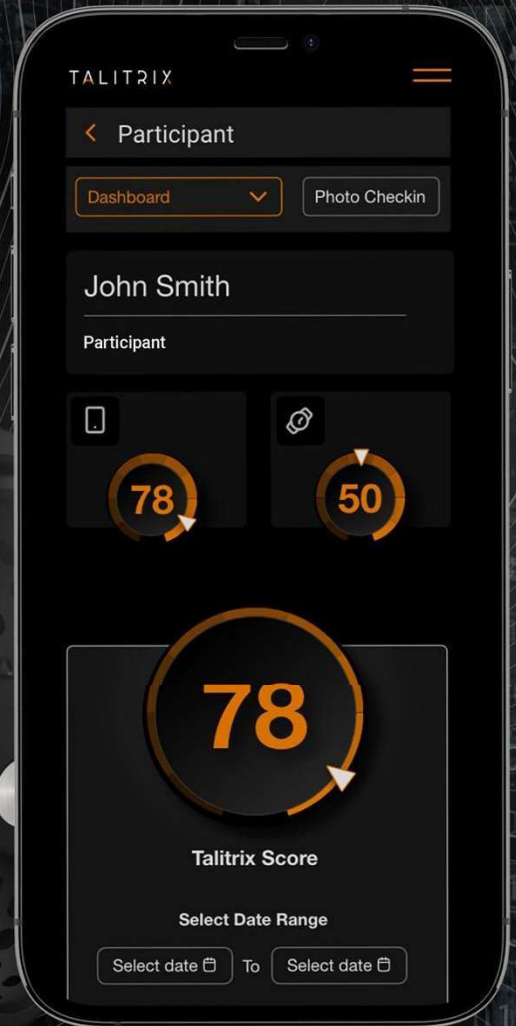
TALITRIX

May 12, 2023

T-BAND USER MANUAL On-boarding and Management

Talitrix

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The software belong to the company and the buyer or user only have the right to use.

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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
 - ESD (IEC 61000-4-2)
 - PTCRB
 - 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 PA,I2S 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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TALITRIX

T BAND LOCKING MECHINSIM
AND SIDE BUTTON SCROLL
FUNCTIONS

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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- 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



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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WARNINGS

ISED Warning

CAN ICES-003(B) / NMB-003(B)
 Canada, Industry Canada (IC) Notices
 This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
 1. This device may not cause interference.
 2. This device must accept any interference, including interference that may cause undesired operation of the device.

Canada, avis d'Industry Canada (IC)
 Cet appareil contient un ou des émetteurs/récepteurs exempts de licence conformes aux RSS exempts de licence d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes:
 1. Cet appareil ne doit pas causer d'interférences.
 Cet appareil doit accepter toutes les interférences, y compris les interférences pouvant entraîner un fonctionnement indésirable de l'appareil.

Radio Frequency (RF) Exposure Information
 The radiated output power of the Wireless Device is below the Innovation, Science and Economic Development Canada (ISED) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.
 This device has been evaluated for and shown compliant with the ISED Specific Absorption Rate ("SAR") limits when operated in portable exposure conditions. (Antennas are greater than 0mm from a person's body).

Informations concernant l'exposition aux fréquences radio (RF)
 La puissance de sortie rayonnée de l'appareil sans fil est inférieure aux limites d'exposition aux radiofréquences d'Innovation, Sciences et Développement économique Canada (ISDE). L'Appareil sans fil doit être utilisé de telle manière que le potentiel de contact humain pendant le fonctionnement normal soit minimisé. Cet appareil a été évalué et démontré conforme aux limites de débit d'absorption spécifique ("SAR") ISDE lorsqu'il est utilisé dans des conditions d'exposition portables. (Les antennes sont à plus de 0mm du corps d'une personne).

IC: 23456-TBAND , Contains IC: 10224A-201912BG77

UL Requirement

- 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 the leakage of flammable liquid or gas; and
- A battery subjected to extremely low air pressure that may result in an explosion or leakage of flammable liquid or gas.

For personal safety only UL certified power adapter supplied with this device shall be used for charging the battery pack.

FCC Requirement

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.

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT
 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.

CAUTION:
 Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.
 FCC ID: 2A0HHTBAND , Contains FCC ID: XMR201912BG77

RF Exposure warning
 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 employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.
 The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of <https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> after searching on FCC ID: 2A0HHTBAND
 To ensure that RF exposure levels remain at or below the tested levels, use a belt-clip, holster, or similar accessory that maintains a minimum separation distance of 0mm between your body and the device.

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TALITRIX

TROUBLESHOOTING

DESCRIPTION

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