

Trackunit TU700-5 Safety Instructions

Trackunit TU700-5
MA-00043.1

English

DANGER

- Draws attention to imminent danger that will lead to serious personal injury or fatality.

WARNING

- Draws attention to a potential threat of danger that can lead to serious injury or fatality.

CAUTION

- Draws attention to a potentially dangerous situation that could lead to personal injury or damage to the equipment or other property



- Signifies a mandatory action



- Signifies a general warning



- Signifies a prohibited action

Intended use:

The TU700 device is a telematics device designed to be mounted in or on vehicles depending on the type of equipment (including heavy equipment, service vans, trailers, etc.) and structures (including containers).

The TU700 version with a "Flying Leads" cable connection must be installed by Trackunit authorized installers. The installation and service of equipment shall only be carried out by competent people who have the necessary training.

The TU700 version with a connector may be connected to compatible plugs in accordance with the appropriate instruction for use.



Foreseeable misuse:

The device is not intended for collecting data to track people and animals.

The device is not intended for equipment other than heavy equipment, service vans, trailers and structures like containers. The device is not for use in an explosive atmosphere.



Use location:

The device is for commercial or industrial usage and is expected to be installed in locations where only adults are normally present. This device is for indoor and outdoor installation. The device may not be submerged in water.

The device must be installed in accordance with any local requirements that applies. Method of mounting shall be suitable for the location.



The device is neither intended for high vibration use nor high temperature range applications.

Technical Specifications

Supply Voltage: Automotive: 12V - 48V DC

Operating temperature: Operating: -20°C to +60°C

Charging: 0°C to +45°C

Storage temperature: -20°C to +20°C: For optimal battery life, do not store for over 1 year.

Battery: Output 3600 mV, 800mAh

IP Rating: IP66, IP67, IP69

Operating conditions:

BLE: 2402 - 2480 MHz, Wifi: 2402- 2462 MHz, Max. 10 dBm EIRP

Positioning: 1559 - 1610 MHz, Receive only

Cellular: B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B25, B26, B27, B28, B66, B71, B85, Max. 33 dBm EIRP



WARNING: Improper fitting during installation may lead to hazardous situation.

Only an installer authorized by Trackunit should install this device. Trackunit does not take responsibility for devices installed by non-Trackunit authorised personnel.

Incorrect installation that allows for movement or places the device/cable under undue stress can cause the device casing to open accidentally. An open casing may lead to water ingress causing the device to fail. Ensure proper fitting of the housing and cable connector, there shall be no visible gaps in the housing and cable connector.



WARNING: Improperly securing the device and the attached cable may be hazardous.

Install the device where there is no immediate risk of impact. During installation, you must account for vehicle vibrations and friction when securing the TU700 and its attached cable.



Do not attempt to install the device if the vehicle is moving or operational.
Do not attempt to install the device in a way that obstructs the view of the driver, or impair his/her movement.
Do not install close to wiring of the vehicle
Do not place directly beside the cable harness of the vehicle.
Do not mount the device in a high vibration environment.
During installation, you must securely fasten the device and cable away from any moving parts.
Do not secure the device to the gear shift, steering wheel, gas pedal, or the brake pedal
Securely fasten the device and cable away from space reserved for either the vehicle occupants or airbags.
Do not secure the device where it will obstruct the driver's limbs.
Do not secure the device in front of the air bags or other safety measures.

 **CAUTION:**

Take care of your posture when installing the device. Be aware of your surroundings within the vehicle, and your ergonomic positioning when installing the device.

 **CAUTION:**

This device is not a toy and should be kept away from animals and children.

 **CAUTION: Risk of electric shock**

A fuse is mandatory for the connection of TU700 to machine battery. Recommended fuse holder kit can be ordered at Trackunit ApS:

1. Supply voltage 12V-24V (max. 32V/1A)-PN: 9898.010001
2. Supply voltage 12V-48V (max. 60V/1A)-PN: 9898.010003

 **CAUTION: Risk of electric shock**

Do not connect the device to a power supply above 48V.

 **CAUTION: Risk of distraction**

Do not check the status LED while operating the vehicle. Only check the status LED when the vehicle is parked safely and turned off.

 **WARNING: Distracted driving**


Do not install the device in a way that can distract the driver of the vehicle.

Do not install the device so that the LED is directly in the driver's line of sight

 **CAUTION: Risk of ingress of water**

Mount the device on a flat surface with the accompanying mounting bracket and screws to maintain IP rating.

Allow equipment to reach the same temperature as the water, before cleaning.

 Do not wash or clean hot equipment with water colder than the equipment

Do not pressure clean.

Do not clean with chemicals.

 **WARNING: Modification of device may cause a hazard!**

Changes or modifications made to this device not expressly approved by Trackunit are not permitted and may void the FCC authorization (FCC part 15.21) and other authorizations to operate the device. Unauthorized modifications can increase the risk of overheating, fire, and explosion.

 **WARNING: Risk of fire**

If the device enclosure has any rupture, swelling, or leakage, there is a risk of damage to the battery. Immediately stop the vehicle from operation and proceed to disconnect and remove the faulty device while observing safety precautions and guidelines. Safely dispose of the device while avoiding direct contact. Contact Trackunit directly for further help if necessary.

Do not take apart, crush, or incinerate the device

Do not impact the device with any level of force
Do not submit the device to temperatures above 60°C
Take care that wires are not pinched during service.

 **WARNING: Radiofrequency radiation exposure: Risk of serious injury**

This device complies with FCC/ISED radio frequency exposure limits set forth for an uncontrolled environment. This device may be installed and operated with a minimum distance of 20 cm / 8 inches between the radiator and the user. This transmitter may not be co-located or operating in conjunction with any other antenna or transmitter. Do not activate the product during installation.

 **CAUTION: Disposal**

As there is a Lithium-ion battery within the device, safely decommission the device in an appropriate way in accordance with local laws. Contact Trackunit directly for further help if necessary.

FCC/ISED mark

This device contains radio transmitters that comply with CFR 47 Part 2.1091, Part 15.247 of the FCC rules and with RSS-102 and RSS-247 of Industry Canada requirements.

Contains

FCC ID: ZMF-TUCELLM01, ZMF-TUBLEWIM01
IC: 9746A-TUCELLM01, 9746A-TUBLEWIM01

CE and UKCA mark:

This device complies with the essential requirements of the RED 2014/53/EU directive as stated by the EU Declaration of Conformity and the Radio Equipment Regulations 2017 - UK SI 2017 No. 1206. EU and UKCA Declarations of Conformity (DOC) can be downloaded from the Trackunit website: <https://trackunit.com/guides-manuals/>

International approvals:

Other countries approvals are listed in the product Compliance Manual, which can be downloaded from the Trackunit website: <https://trackunit.com/guides-manuals/>

FCC/ISED IC Notice:

This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s). 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.

 **WARNING:**

Do not open the device as it will void warranty
Do not attempt to repair the device or exchange the battery yourself.

If there are any safety concerns, please disconnect the device from the vehicle, and contact Trackunit directly.

 **Avertissement: Exposition aux rayonnements de radiofréquence**

Risque de blessures graves

Cet appareil est conforme aux limites d'exposition aux radiations fixées par la FCC/ISED pour un environnement non contrôlé. Cet appareil peut être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et l'utilisateur. Cet émetteur ne doit pas être installé ou fonctionner en conjonction avec une autre antenne ou un autre émetteur. Ne pas activer le produit pendant l'installation.

Marque FCC/ISED

Cet appareil contient des émetteurs radio conformes aux normes CFR 47 Part 2.1091, Part 15.247 de la réglementation FCC et aux normes RSS-102 et RSS-247 d'Industrie Canada.

Contenir:

IC: 9746A-TUCELLM01, 9746A-TUBLEWIM01

Avis FCC/ISED IC:

Cet appareil est conforme à la partie 15 des règles de la FCC et à la (aux) norme(s) RSS exemptée(s) de licence d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes:

- (1) cet appareil ne doit pas provoquer d'interférences nuisibles et
- (2) cet appareil doit accepter toute interférence reçue, y compris les interférences susceptibles de provoquer un fonctionnement indésirable.