

Ikarya Watch

Model : TD-WTC-11

DESIGN BY

telecom design

Automatic Fall Detector

The watch is a hybrid watch combining a mechanical system to move the hands and a digital display. The watch is an IoT device which must be worn permanently as a wristband. Any other use may cause false alarms such as non fall detections. The watch is configured by your installer.

ONBOARDING

1. Plug the docking station on and plug the watch on the docking station



2. The QR code is displayed on the watch screen
Scan the QR code with the App provided by Telecom Design and follow the App instructions for the watch configuration

3. Once the configuration is over, “WAIT” is displayed on the watch screen. This step can take several minutes. Keep the watch in the docking station.

4. Once the configuration is over, the watch displays “READY”. The watch can be taken out of the docking station.



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FUNCTIONS

Manual alarm (fig. 1):

An SOS key button is located on the left side of the watch allowing the wearer to send an alarm.

Automatic alarm (fig. 2):

A set of sensors combined with a new algorithm allow to send an alarm automatically in case of heavy fall detection*. 20 seconds after an automatic fall detection and before sending the alarm to the transmitter, the watch starts to vibrate intermittently and blink for 20 seconds. To manually cancel the alarm, the user must cover the watch with the palm of his hand. His hand has to be removed when vibrations stop.



Accessing the Regulatory Information

This device uses an electronic label to display regulatory information. To access the FCC ID, IC certification number, and compliance logos directly on the watch screen, follow these steps :

1. Scroll to Settings using the Right Button, then press and hold to enter.
2. Scroll to Regulatory, then press and hold again.
3. Scroll through the screens to view the regulatory information.

TECHNICAL SPECIFICATION

WATCH

Weight: 62g

Water resistance: IP67

Shock resistance: IK04

OLED Screen: 26 x 10,66 mm

Cleaning: water and soap only

Wristband processing: hypoallergenic

RF	Europe	US & Canada
ISM	865 to 868MHz	902 to 928MHz
	868 to 868.6MHz	
	868.7 to 869.2MHz	
	869.7 to 870MHz	
SIGFOX	868.13MHz	N/A
LTE-M NBIoT	B3: 1710 to 1880MHz	B2 1850 to 2170MHz
	B8: 880 to 960MHz	B3 : 1710 to 1880Mhz
	B20 : 791 to 862MHz	B4 : 1710 to 2155MHz
	B28: 703 to 803MHz	B5 : 824 to 894MHz
GPS GLONAS BLE	L1 : 1575.42MHz / 1598.0625MHz – 1609.3125MHz	B8 : 880 to 960MHz
		B12 : 699 to 746MHz
		B13 : 777 to 756 MHz
		B28 : 703 to 803MHz
		2402 – 2483.5 Mhz

Operating temperature: -10°C / +50°C

Geolocation : indoor beacon connection and SIGFOX, NBIoT and LTE-M outdoor connection.

Battery : Rechargeable polymer lithium, replaceable, removable. Up to 30 days battery.

Charging current: 220mA

Charging method:

place the watch on the charging dock (the watch is mechanically hold), the white LED indicates that the watch is charging.

CHARGING DOCK

Weight: 51g

Charging current : 220mA

Manufacturer: Telecom Design (with removable external USB wall plug charger TenPao S015BTV0500200)

Operating temperature: 0°C / +35°C

Remark: do not use another charging dock neither another external USB wall plug,

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CE COMPLIANCE

EU Declaration of conformity

We hereby certify that the Ikarya Watch designed by Telecom Design, complies with the main requirements and other associated regulations presented in Directives 2014/53/EU (RED), 2015/863/EU (RoHS-3) and EC 1907/2006: NO_SVHC REACH.

Waste Electronic and Electrical Equipment (WEEE)

Eliminating household Waste Electrical and Electronic Equipment in the European Union. The presence of this symbol on a product or packaging indicates that you should not dispose of this product with other household waste. On the contrary, it is your duty to dispose of waste equipment by depositing it at a dedicated collection point for recycling Waste Electrical and Electronic Equipment. For further information on these collection points, please contact your local town hall, waste disposal service or dealer. When batteries are collected at the same time as Waste Electrical and Electronic Equipment in accordance with directive 2002/96/CE, they must first be removed from appliances.



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WARNING

Danger of explosion if battery is incorrectly replaced. Replacement can only be done by a qualified technician.

Replace only with the same battery type. Must be disposed of properly. Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery can result in an explosion

Declaration of conformity

We hereby certify that the Ikarya Watch designed by Telecom Design, complies with the main requirements and other associated regulations presented in Directives 2011/65/EU(RoHS).

IMPORTANT : The device's technology does not allow for the analysis and interpretation of all situations and the detection of all falls. Some falls, such as soft falls, controlled falls against a wall or chair, or some heavy falls, are not detected by the Ikarya Watch. Exceptionally, certain fall patterns and/or movements of the watch may be analyzed as a heavy fall even though they do not meet the heavy fall scenario. If a false alarm is triggered, quickly clarify the situation. For more information on automatic fall detection or the operating of the product, please consult: <https://telecomdesign.com/downloads/>

Address of the Manufacturer

The Ikarya Watch is a product manufactured by Telecom Design, Zone Actipolis II, 2bis rue Nully de Harcourt, 33610 Canéjan, France

TECHNICAL SPECIFICATION

FCC Compliance

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,
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

NOTE: 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.

ISED CANADA COMPLIANCE

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.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC ID: 2AGMK-WTC11

Contains

IC: 21552-WTC11

FCC ID: HSW-TY1SCDM

CAN ICES-3 (B)/NMB-3(B)

IC: 4492A-TY1SCDM