IoLiving T   User Instructions

Thank you for purchasing *IoLiving* T product. Please, read these instructions before starting to use this I*oLiving* T product.

General

IoLiving T measures temperature and movements. I saves measurements to its local memory. When there is a smartphone, table computer or laptop computer in the proximity and equipped with *IoLiving* Mobile app, the data from *IoLiving* T local memory will be transferred to *IoLiving* Web service.

Data is transferred from *IoLiving* T to smartphone via **Bluetooth** SMART connection.

Technical characteristics

Use temperature:	-30...+60 C
Temperature measuring accuracy:	+-0,5C
Temperature measuring resolution:	+-0,1C
Bluetooth Smart radio coverage:	typically 20m
Waterproof:	20m
Size:	8mm*26mm*43mm
Battery:	CR2032
Battery life time:	typically 8 months
Communication:	**Bluetooth** SMART
Size of local memory:	*IoLiving* T local memory holds data for 3,5 days if measurement interval is 2 minutes. If data is not transferred to the web service during the 2,5 days, the oldest data will be replaced by new measurements. If measurement interval is 10 minutes, local data will cover data for 25 days.

Preparing IoLiving T for use

Step 1 Installation of battery
Figure 1: Open battery cover by rotating it with a coin (or other appropriate tool) counter clock-wise. Turn it over the "open" mark and the cover will be risen up.
Be careful not to damage the sealing ring.

Figure 2: Place CR2032 battery into the battery cover, figure 2. Please, not the + pole is toward battery cap.

Figure 3: Place battery cap so that the arrow is pointing to "open" mark.
Clock the battery cap by rotating it clock-wise until "locked" sign.

Figure 1   Figure 2   Figure 3

Step 2 Data collection starts immediately
IoLiving T starts measuring temperature and movements immediately after battery installation. Factory setting for measurement interval is 2 minutes

Step 3 Activate the product
Data transfer to web and mobile services starts when you activate *IoLiving* T product.
Please, follow the instructions in *IoLiving* Mobile and *IoLiving* Web services.
You will need the product identification code. It is printed on the sticker on the back of *IoLiving* T product.

IoLiving T temperature sensor

On the front face of *IoLiving* T product there is a metallic tag to improve sensitivity of temperature measuring. In order to get the best sensitivity, please, do not cover this tag.

Warnings

Empty batteries are hazardous waste and those should not be treated as normal waste or to be thrown to the nature. Please, return batteries to the collection points arranged for battery return purposes.

Follow always country specific advice for treating electrical waste.

Us purpose of **IoLiving** T is temperature measuring and movement measuring of any object within the characteristics. It is not meant for other purposes. It is not allowed to put in mouth. It is not meant for medical purposes.

Warranty

Ceruus Oy grants one year warranty to the original purchaser of this product. Warranty starts on the date of purchase. Archive the purchase receipt to prove the original purchase date. Warranty covers raw-material and manufacturing defects.

Warranty does not cover battery or damage that is caused by misuse of the products, accident, neglecting of instructions or broken package.

Warranty does not cover any indirect costs or expenses connected to the product or connected to the use of products.
During the warranty period a broken product will repaired or replaced by Ceruus Oy service.

Return the broken product to the shop from where the product was purchased or the Ceruus Oy (address below). Please, add your return address.
Warranty does not cover defects caused by unauthorised service.

Warranty is valid only in the country where the product was purchased or delivered.

Limited liability
This use Instruction is meant only to inform about the use of the products. Ceruus Oy continuously develops the product and changes it without pre-information.
In this document Ceruus Oy does not set any claims neither compensate any direct or indirect expenses related to the use of this product.

Manufacturer

Ceruus Oy:

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FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT (FCC)

Product model: 414001
FCC-ID: 2AI8G-IOLMINI

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.
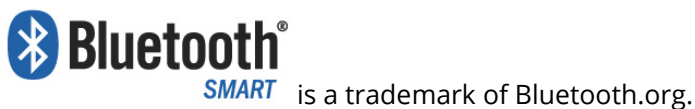
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate 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.

Trademarks:

 is a trademark of Bluetooth.org.

*Io**Living*** is a trademark of Ceruus Oy.