



**Spaceti Smart Stone CO2**  
**User Manual**

## Information about the product

### Manufacturer

spaceti s.r.o.  
 Quadrio Offices, Purkyňova 2121/3,  
 110 00 Prague, Czech Republic  
 ID: 05137659, VAT: CZ05137659  
 support@spaceti.com  
 www.spaceti.com

### Introduction

Thank you for choosing Spaceti to help you build the office of the future. Our mission is to digitalize spaces and positively influence human interaction within buildings. Spaceti is one of the first companies to offer full internal IoT navigation that combines hardware and software. We aim to increase comfort, productivity, and security while also providing an effective facility management tool.

The Spaceti Smart Stone CO2 is one of three components that make up Spaceti's tested solution that helps create an internal navigation network while measuring temperatures and humidity in real time.

### Package Contents

- Spaceti Smart Stone CO2 (batteries included)
- Click Tool MEC1

Note: If any of the items are damaged or missing, please contact the retailer where you purchased the product or an authorized service agent.

## Copyright and trademarks

The technical specification and all other information in this product manual (referred to just as "**Manual**" from here on) can change without prior announcements. Spaceti Smart Stone CO2 is trademarked by Spaceti s.r.o.

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## Basic product information

The Spaceti Smart Stone CO2 ("Device") is a component of Spaceti's technology. It forms the foundation for navigation within a building and offers supplementary temperature and humidity measurements. Spaceti's system is made up of the hardware device, a mobile application, and a web-based interface. The system requires all the parts to work correctly.

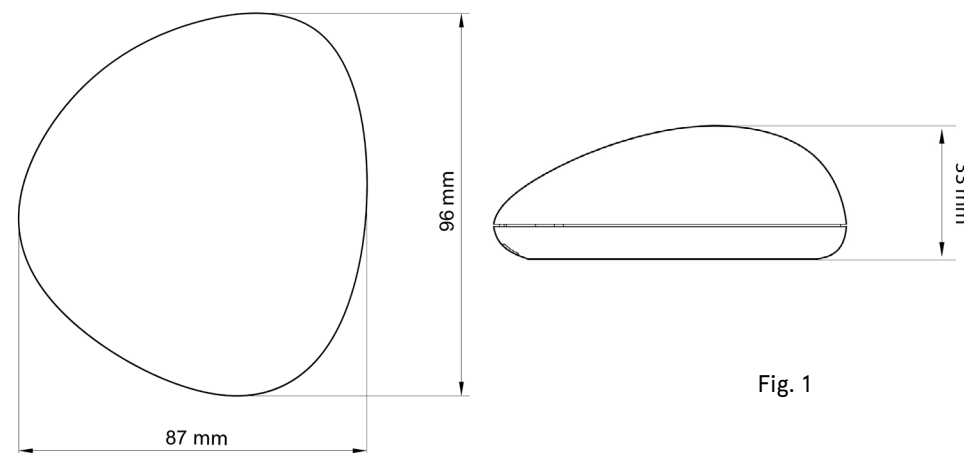
### WARNING!

**Carefully read this Manual and save it for future use!**

**The manufacturer is not responsible for defects, accidents, damage or other risks caused by not adhering to the procedures in this Manual!**

**The Manufacturer does not guarantee the Device will work properly if it is used or handled in any way that is contrary to the recommended procedures listed in this Manual!**

## Technical parameters



Product Number	SC20L1V100
Power	2x ER14505 lithium batteries 3.6 V, 2700 mAh (batteries are included)
Output	Max. 370 mW
Communication frequencies	915 MHz 2402 MHz, 2426 MHz, 2480 MHz (2.4 GHz Channel)
Radiation output	915.0 MHz max. +10 dBm 2.4 GHz band max. +4 dBm
Environment according to CSN EN 60721-3-3	The product is primarily meant for internal environments (see ČSN EN 60721-3-3 class 3K3).
Operational temperature range	(+5°C; +40) °C
Relative humidity range	(5; 85) %
Weight	110 g (Include batteries)
Dimensions	(87 x 96 x 33) mm
Other	PC-ABS fire retardant box (UL94V0)

## General safety instructions

### POZOR!

**WARNING! Carefully read these instructions, memorize them, and save the instructions for future use!**

#### A. Installation

- Installation can only be performed by a trained technician authorized by the Manufacturer (“**Technician**”).
- The Device cannot be installed in direct sunlight, close to a heat source, or a warm air duct.
- The Device requires at least 5 cm of space on all sides in order to operate correctly.

#### B. Environment

- The Device must not be used in spaces with extreme temperatures. The appropriate range is listed in the technical specifications.
- The space where the Device is located must be well ventilated, especially if the Device is installed in an enclosed or small space.
- Do not install the Device in rooms with extreme humidity or close to water, such as a damp cellar, in an aquarium, or a pool area.

#### C. Electric safety

- Do not use batteries other than those specified by the Manufacturer in the technical specifications.
- Follow the instructions in Chapter 4 – Changing the Device’s Battery to change the batteries.

#### D. Personal safety

- Do not break the Device.
- Do not hit the Device or allow it to be struck.
- Do not clean with water or any other liquid.
- Do not place the Device into a microwave or any other tool that will warm it up.
- Do not place the Device into open flames, smoke, or other fumes.
- Do not allow the Device or the batteries to be subject to outside pressure.
- Prevent contact between the Device and the batteries and mouths, ears, and eyes. Specifically, do not bite or lick the Device.
- Do not squeeze or stab the Device and prevent it from being deformed.
- Do not expose animals to the Device.

## E. Maintenance

- Only the Technician installs, maintains, or removes the Device.
- Use dry tissues, a rag, or a duster to clean the exterior of the Device.

### WARNING!

**Do not use any detergents, water, solvents, or other liquids or moist cleaning supplies. Be sure to prevent any liquid from leaking into the Device when cleaning the mounting!**

**The Device must be kept out of the reach of children under the age of 12 or those with limited cognitive functions!**

## F. Using the Device's batteries

- Only use the batteries specified by the Manufacturer
- Never use a damaged or drained battery
- Only a Technician can replace batteries

### WARNING!

**The Manufacturer is not responsible for any damage to the Device caused by the installation, opening, removal, or any other manipulation of the Device or its accessories by an unqualified individual!**

**Do not shorten or manipulate the battery clips in any way and do not expose them to liquids of any kind!**

If the Device is to be transported, it must be protected in a similar way, especially protection from coming into contact with liquids. It should be mounted on the supplied covers and the battery should be secured in the space reserved for it.

**Do not allow the battery to come into contact with metallic items because the + and - poles could become connected and the battery could be temporarily or permanently damaged.**

## The symbols used:



Read the Manual before using



EU declaration of conformity



Do not throw away



Recyclable



Federal Communications  
Commission

## 1. Notice about using this wireless device

### WARNING!

**The Manufacturer is not responsible for interfering with any other radio or television signals nor for any other unwanted effects caused by inappropriate settings or changes made by the user. The Device generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions can cause damaging interference to radio communication!**

### BLUETOOTH™

BLUETOOTH™ technology intended for wireless communication with other Bluetooth-enabled devices works in the 2.4 GHz (2400 MHz - 2483.5 MHz) band.

Bluetooth can cause interference with important equipment (hospital equipment, navigational technology, etc.).

Installation and use of the Device in a plane is **strictly forbidden**.

The Manufacturer is not responsible for installing the Device in areas where this equipment is located and doing so is **forbidden!**

**Sub-GHz communication channel**

The Device uses the open license 915 MHz (902-928 MHz) band.

**2. Installing the Device**

Only an authorized Technician installs and removes the Device.

**WARNING! T**

he user is obligated to ensure the installation of the Device is permitted (especially the wireless technologies and Sub-GHz communication channels) before installation and operation or to procure permission from the authorized individual (most often the property owner or manager) to ensure that no limitations on using such technologies in the planned Device installation area are violated. The Manufacturer is not responsible for any damages caused by installing or using the Device in areas without permission or if the Device was not installed by an authorized Technician!

**3. Operating the Device for the first time**

Upon installation, the technician will remove the protective cover as seen on image X, which will connect the battery to the circuit and the Device will begin to operate.

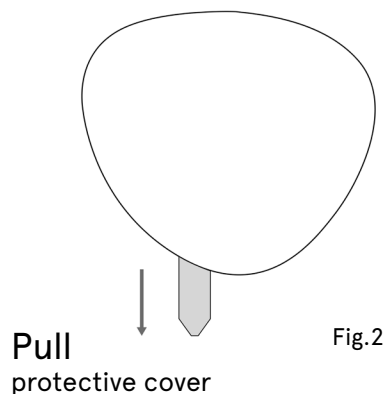


Fig.2

**4. Operating the Device and replacing the battery**

The Technician replaces the battery during regular maintenance visits. The Technician decides whether it is necessary to replace the battery. If they are both to be replaced, both batteries will be replaced at once and the same type of battery from the same producer will be installed!

**WARNING!**

Under no circumstances can a battery with specifications different from those listed in the technical specifications be used. See Chapter 2 – Information about the Device

It is forbidden to re-charge the battery!  
It is forbidden to dispose of used batteries in the trash. Used batteries should be delivered to collection points!

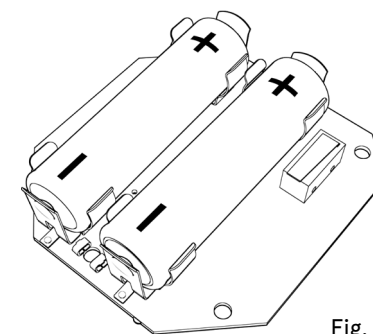


Fig. 3

**5. Using the Device in a new location**

The technician will remove the Device, prepare it for transport, and then re-install the Device using the MEC 1 Clicking tool.

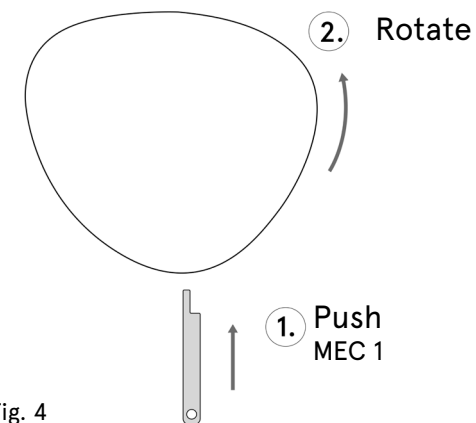


Fig. 4

**WARNING!**

If the user installs the Device without the Technician, or replaces the battery without the Technician, or uses the Device at a new location, the Manufacturer is not responsible for any damages that could be caused, neither to the Device, nor in the unauthorized installation location, nor any possible health damages to individuals!

**6. Malfunctions**

If the Device ceases to work or displays any malfunctions, immediately contact the Technician or the Manufacturer.

**7. Manipulating unnecessary material and electrical or electronic equipment****WARNING!****NEVER dispose of the Device or the battery in the trash!**

The Manufacturer states that mixing with normal trash can cause negative effects on the environment and human health.

Never burn the Device or the battery.

Never place the Device or the battery into heating equipment.

Adhere to all general regulations in the given location when removing the used device or battery and place the battery in a designated receptacle. The Device will be removed by the Technician and then its parts and materials will be recycled.

Dispose of the packaging in designated receptacles

**WARNING! Recycle!**

If the device will be disposed of outside the European Union, the user is obligated to ensure the Device and battery are disposed of according to the laws and regulations of the given country and to acquire information about the correct method of disposal from the authorities.

**8. Contacts and maintenance**

Contacting the Manufacturer:

EU: (+420) 777 451 105

US: (+1) 650 451 1105

UK: (+44) 7518 359909

Norway: (+47) 91357135

Sweden: +44 (0) 7730 091 575

Please send any general questions to: [support@spaceti.com](mailto:support@spaceti.com)

General information and details can be found at: [www.spaceti.com](http://www.spaceti.com)

CE Declaration of Conformity available at:

[www.spaceti.com/declaration\\_conformity](http://www.spaceti.com/declaration_conformity)

**FCC / ISED****FCC compliance Statement**

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.

The device is only in compliance if no changes or modifications is made to the device. The device is in compliance with the requirement for RF exposure in the US with 20 cm separation distance between the user and the device. The antenna is fixed to the device and no change in antenna or fixation of the antenna is acceptable and such modification is considered to violate the Compliance Statement.

**ISED compliance Statement**

(English)

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and  
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

(French)

Le présent appareil est conforme aux CNR d'Industrie 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.

**9. Manufacturer**

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Declares that the declaration of conformity is issued under our sole responsibility and belongs to the following product (s):

Trade name: Spaceti Stone STANDARD  
 Part number: SSTOL1V100  
 Intended use: A smart stone in the Spaceti system

Is in compliance with the relevant EU legislation:

- Directive 2014/30/EU
- Directive 2014/35/EU
- Directive 2014/53/EU
- Directive 2011/65/EU
- 

The following harmonized standards and technical specifications have been applied:

- |                        |                       |
|------------------------|-----------------------|
| · EN 61000-6-1:2007    | · EN 300 220-2 V2.4.1 |
| · EN 61000-6-3:2007    | · EN 62368-1:2014     |
| · EN 301 489-1 V1.9.2  | · EN 60950-1:2006     |
| · EN 301 489-3 V1.6.1  | · EN 62311:2008       |
| · EN 301 489-17 V2.2.1 | · EN 55024:2010       |
| · EN 300 328 V2.1.1    | · EN 50581:2012       |

The product is safe when is used for its intended purpose and according to the manual.

In Prague on: .....

Signature and stamp: .....

Ondrej Plevka  
 COO, Managing director, spaceti s.r.o.