Translation of the Original Operating instructions

IFCBT-Dongle

Bluetooth-device

Catalog No.
551-060

From software version
1.4.2

lina72en1-02-(2607)

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1 About this Manual

This document applies to IFCBT-Dongle with the specified software version see title page.

Product names may occur in the document, which are added for identification purposes only and belong to the respective owner of the rights.

1.1 Target groups

This instruction manual is aimed at the operator of the device, at technically qualified specialists, and trained personnel.

1.2 Explanation of the Warning Notices

⚠ DANGER

Immediate danger with death or serious injuries as a consequence

⚠ WARNING

Dangerous situation with possible death or serious injuries as a result

⚠ CAUTION

Dangerous situation resulting in minor injuries

NOTICE

Dangerous situation resulting in property or environmental damage

2 Safety

2.1 Intended use

The device is a Bluetooth dongle. This allows data to be transferred between INFICON devices.

- Only use the appliance as intended, as described in the operating instructions, in order to avoid hazards due to misuse.
- Comply with application limits, see "Technical Data".

Incorrect usage

Avoid the following unintended uses:

- Use outside the technical specifications, see "Technical data"
- Use of the device in case of detectable defects
- Use in radioactive areas. Leak detectors could become contaminated.
- Storing and using the device in hot environments (e.g. surfaces, sunlight)
- Use of accessories or spare parts, which are not listed in this manual
- Using the device in potentially explosive atmospheres
- Operating at excessive ambient temperature
- Connecting dangerous electrical voltages to the device interfaces
- Use with unauthorized Bluetooth devices or non-original INFICON Bluetooth devices
- Use of the device in the vicinity of dangerous electrical voltages
- Use via SUB-D with non-approved devices or non-original INFICON devices
- Connecting to a PC
- Use with SUB-D extension cables
- Improper attachment of the IFCBT-Dongle to an INFICON device
- Use of the device in residential areas, which may result in interference with electrical devices
- Using the device in locations with strong electromagnetic fields from third-party devices that may affect Bluetooth connections

2.2 Duties of the Operator

- Read, observe, and follow the information in this instruction manual and in the work instructions provided by the owner. This concerns in particular the safety and warning instructions.
- Always observe the complete operating instructions for all work.
- If you have any questions about operation or maintenance that are not answered in this operating instructions, contact INFICON service.

2.3 Owner Requirements

The following notes are for companies or any person who is responsible for the safety and effective use of the product by the user, employees or third parties.

Safety-conscious operation

- Operate the device only if it is in perfect technical condition and has no damage.
- Only operate the device properly in accordance with this instruction manual, in a safety and risk conscious manner.
- Adhere to the following regulations and observe their compliance:
  - Intended use
  - Universally valid safety and accident prevention regulations
  - International, national and local standards and guidelines
  - Additional device-related provisions and regulations
- Only use original parts or parts approved by the manufacturer.
- Keep this instruction manual available on site.

Personnel qualifications

- Only instructed personnel should be permitted to work with and on the device. The instructed personnel must have received training on the device.
- Make sure that authorized personnel have read and understood the instruction manual and all other applicable documents.

2.4 Dangers

The measuring instrument was built according to the state-of-the-art and the recognized safety regulations. Nevertheless, improper use may result in risk to life and limb on the part of the user or third parties, or damage to the unit or other property may occur.

3 Scope of Delivery, Transport, Storage

Scope of delivery

IFCBT-Dongle	Quantity
IFCBT-Dongle	1
Digital operating instructions, to download as PDF from www.inficon.com	1

- ▶ Check the scope of delivery of the product for completeness after receipt.

Transport

NOTICE

Damage caused by transport

Transport in unsuitable packaging material can damage the device.

- ▶ Keep the original packaging.
- ▶ Only transport the device in its original packaging.

Storage

Always store the device in compliance with the technical data, see Technical data.

4 Description

⚠ DANGER

Risk of injury due to electric shock

- ▶ Only use the device on devices approved by INFICON.
- ▶ Only use undamaged devices or adapter cables approved by INFICON.
- ▶ Do not use the device near electrical voltages
- ▶ Attach the device to the intended interface of the INFICON device using the fastening screws.

⚠ CAUTION

Risk of injury and damage to the appliance due to falling

- ▶ Only place the device on a level, non-slip and vibration-free surface.

⚠ CAUTION

Danger from strong electromagnetic fields

Injury due to malfunction of the device.

- ▶ Never use the device in locations with strong electromagnetic fields.

NOTICE

Material damage due to ESD discharge

Damage caused by working in areas with a high risk of ESD discharge

- ▶ Observe the ESD protective measures.

NOTICE

Damage to property due to interference emission in the medium frequency range

NOTICE

Maximum cable length for the adapter cable 3 m

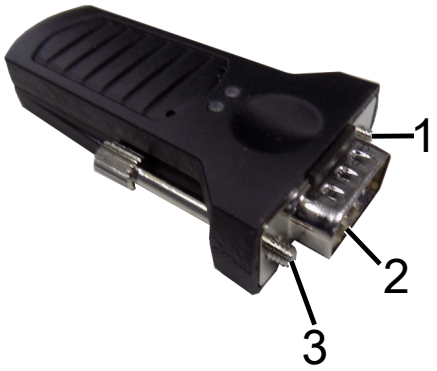
4.1 Function

The device can be used to transfer data wirelessly between INFICON devices.

Wireless data transmission makes it possible to extend the radius of action considerably.

Data transmission achieves a range of up to 100 meters in the open air and up to 50 meters indoors.

4.2 Design of device



1	Mounting screws
2	SUB-D interface
3	Mounting screws

4.3 Technical Data

4.3.1 Mechanical data

	551-060
Dimensions (W x H x D)	50 x 100 x 20 mm
Weight	approx. 100 gr

4.3.2 Ambient conditions

	551-060
Permissible ambient temperature (during operation)	10 °C to 40 °C
Permissible storage temperature	-10 °C to 60 °C
Minimum humidity (in operation)	> 30% without special requirements
Minimum humidity (in operation)	< 30% without special requirements*
Max. relative humidity up to 31°C	80 %
Max. relative humidity from 31°C to 40°C	Decreasing on linear basis from 80% to 50%
Max. relative humidity above 40°C	50 %
Relative humidity during storage and transport	Minimum 10% Maximum 90%
Pollution degree	2
Max. altitude above sea level	2000 m
Degree of cleanliness of the operating environment (clean room or clean room class)	ISO CLASS 6
Indoor oder Outdoor using	Only in a dry environment and non-condensing moisture

* Use of the IFCBT-Dongle only after consultation with INFICON GmbH.

4.3.3 Electrical data

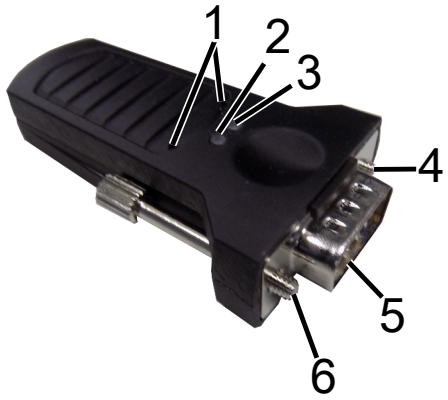
Electrical data

	551-060
Name	IFCBT-Dongle
Current	60mA
Voltage	5- 24 V DC ±10%
Electronic interfaces	RS232, Bluetooth
Radio Technology	Bluetooth
Frequency Range	2400 - 2483.5 Mhz
RF Output Power (dBm)	8 dBm (< 20 dBm)

5 Install IFCBT Dongle

Attach the IFCBT-Dongle to the appropriate interface or adapter on the INFICON device. Tighten the fixing screws properly.

Please refer to the operating instructions for the INFICON device or contact INFICON Service to find out which adapter you need.

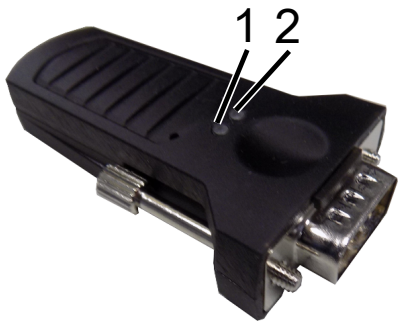


1	Service buttons	4	Mounting screws
2	Green LED	5	SUB-D interface
3	Orange LED	6	Mounting screw

Obstacles such as walls, doors and furniture dampen the Bluetooth signal. An RS232 extension cable (max. 3 m long) can be used to optimize the radio range. This allows the IFCBT-Dongle to be positioned flexibly at a location where there are as few direct obstacles as possible between the IFCBT-Dongle and the UL device.

The service buttons may only be used by INFICON employees or trained personnel.

6 Operation



1	Green LED
2	Orange LED

When a Bluetooth connection is established, the green and orange LEDs light up continuously.

If there is no connection, the LED flashes green.

7 Cleaning

⚠ CAUTION

Injury due to improper handling of liquids

Damage or explosion of the appliance due to cleaning with liquids

- ▶ Only clean the appliance with a dry or slightly damp cloth.

8 Decommissioning

8.1 Dispose of IFCBT-Dongle

The owner can dispose of the IFCBT-Dongle or it can be sent to INFICON.

The IFCBT-Dongle consists of materials that can be recycled. This option should be exercised to prevent waste and also to protect the environment.

- ▶ For disposal, always comply with local and regional environmental and safety regulations.

8.2 Send in the IFCBT-Dongle for maintenance, repair or disposal

⚠ WARNING

Danger due to harmful substances

Contaminated devices could endanger health. The contamination declaration serves to protect all persons who come into contact with the device. Devices sent in without a return number and completed contamination declaration will be returned to the sender by the manufacturer.

- ▶ Fill in the declaration of contamination completely.

1. Please do not hesitate to contact us and send a completed declaration of contamination before sending anything to us.
   - ⇨ We will then send you a return authorization number and the shipping address.
2. Use the original packaging when returning.
3. Before sending the device, attach a copy of the completed contamination declaration. See below.

Declaration of Contamination

The service, repair, and/or disposal of vacuum equipment and components will only be carried out if a correctly completed declaration has been submitted. Non-completion will result in delay.
This declaration may only be completed (in block letters) and signed by authorized and qualified staff.

1 Description of product

Type _____
Article Number _____
Serial Number _____

2 Reason for return

_____
_____
_____

3 Operating fluid(s) used (Must be drained before shipping.)

_____
_____

4 Process related contamination of product:

toxic	no ❑ 1)	yes ❑
caustic	no ❑ 1)	yes ❑
biological hazard	no ❑	yes ❑ 2)
explosive	no ❑	yes ❑ 2)
radioactive	no ❑	yes ❑ 2)
other harmful substances	no ❑ 1)	yes ❑

The product is free of any substances which are damaging to health yes ❑

1) or not containing any amount of hazardous residues that exceed the permissible exposure limits

2) Products thus contaminated will not be accepted without written evidence of decontamination!

5 Harmful substances, gases and/or by-products

Please list all substances, gases, and by-products which the product may have come into contact with:

Trade/product name	Chemical name (or symbol)	Precautions associated with substance	Action if human contact

6 Legally binding declaration:

I/we hereby declare that the information on this form is complete and accurate and that I/we will assume any further costs that may arise. The contaminated product will be dispatched in accordance with the applicable regulations.

Organization/company _____
Address _____ Post code, place _____
Phone _____ Fax _____
Email _____
Name _____

Date and legally binding signature _____

Company stamp

Copies:
Original for addressee - 1 copy for accompanying documents - 1 copy for file of sender

9 Certificates

9.1 CE Declaration of Conformity

INFICON

CE

EU Declaration of Conformity

We – INFICON GmbH - herewith declare that the products defined below meet the basic requirements regarding safety and health and relevant provisions of the relevant EU Directives by design, type and the versions which are brought into circulation by us. This declaration of conformity is issued under the sole responsibility of INFICON GmbH.

In case of any products changes made, this declaration will be void.

Designation of the product:
Bluetooth-Dongle

Models: **IFCBT-Dongle**

Catalogue number: **551-060**

The products meet the requirements of the following Directives:

- ***Directive 2014/53/EU (RED)***
- ***Directive 2011/65/EU (RoHS)***

Applied harmonized standards:

- ***EN 300 328 V2.2.2***
- ***EN 301 489-1 V2.2.3***
- ***EN 301 489-17 V3.3.1***
- ***EN 55032:2015***
- ***EN 61326-1:2013***
- ***EN ISO 61326-1:2021***
- ***EN 55011:2021***
- ***EN 62479:2010***
- ***EN ISO 61010-1: 2020-03***
- ***EN IEC 63000:2018***

The notified body TUV Rheinland LGA Products GmbH, NB No.: 0197
performed an EU-type examination and issued the EU-type examination certificate: RT 60187863 0001

Cologne, May 26th, 2026

p.p.
Dr. H. Bruhns, Vice President LDT

Cologne, May 26th, 2026

W. Schneider

pro
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9.2 Radio Certificates

Certificate for USA

Important notice FCC:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

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.

FC

Contains FCC ID: 2BFIX-1101102

Certificate for Canada

Important notice ISED:

This device complies with Industry Canada licence-exempt RSS standard(s).

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.

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, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

This equipment complies with Industry Canada radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme à l'exposition aux rayonnements Industry Canada limites établies pour un environnement non contrôlé.

Contains IC: 32279-1101102

Certificate for Singapore

Complies with
IMDA Standards
DA107953

Certificate for Hong Kong IFCBT-Dongle

Important notice Hong Kong:

Certified for use in Hong Kong
經驗證可在香港使用
Certificate No. 證書號碼
HK0022400067

Certificate for China IFCBT-Dongle

CMIIT ID: 24J990GVK606

Certificate for Korea IFCBT-Dongle

R-R-If5-551-060

Certificate for Taiwan IFCBT-Dongle

Important notice Taiwan:

CCAN24LP0640T5

Certificate for Japan

ARIB Declaration of conformity
Japanese Radio Law Compliance.
This device is granted pursuant to the Japanese Radio Law.
This device should not be modified (otherwise the granted designation number will become invalid)

R 201-190950

Certificate for Mexico IFCBT-Dongle

NOM

IFT: IFIN5524-37856

Certificate for Malaysia

INFICON Inspired by visions. Proven by success.

www.inficon.com reachus@inficon.com

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