

i-vac[®] COBOTIC 1700

Smart, Autonomous Vacuum

User manual



i-team Professional B.V.

Hoppenkuil 27b, 5626 DD Eindhoven, The Netherlands

Telephone: +31402662400

Email: hello@i-teamglobal.com

Internet: www.i-teamglobal.com



Original user manual in English

i-team Professional B.V.
Hoppenkuil 27b, 5626 DD Eindhoven, The Netherlands

Telephone: +31402662400
Email: hello@i-teamglobal.com
Internet: www.i-teamglobal.com

Model: co-botic™ 1700
Date: 24/01/2025
Version: v. 1.0



FASTER

I'm faster than other devices because I can work for 270 minutes without interruption. After charging, I'm ready to go again for the next round.



CLEANER

I can follow your program. Or program myself for the best possible cleaning. Or follow your instructions.



GREENER

I'm programmed to vacuum as precisely and efficiently as possible. So every watt is used for cleaning, and nothing is wasted. While I only use 50 W per hour, alternative solutions require up to 1000 W.



SAFER

No cables = less risk of falling. I can also be used at night in dark areas.



BETTER FOR EVERYONE

You can devote yourself to other tasks in the meantime.
You have the trained human eye that is essential for perfect cleaning results.
You can concentrate on the details.



Preface

Thank you for choosing co-botic™ 1700, the device designed for quick, autonomous cleaning of small spaces.

The co-botic 1700 is easy to use when you follow the instructions. Please read the user manual carefully. Become familiar with the correct operation and maintenance procedures. Store the manual in a safe place. The manual is an essential part of the co-botic 1700 and must be handed over to the new owner upon resale or exchange. Each co-botic 1700 has a unique serial number that can be found on the dust box. Your i-partner needs this number when you order parts.

When this manual refers to “the manufacturer” this means: Future Cleaning Technologies B.V., an affiliate company of i-team Professional in Eindhoven, the Netherlands. When this manual mentions “the partner” your local i-team reseller and support service partner is referred to.

Purpose of the user manual

The purpose of the user manual is to provide the user with information during the life of the co-botic 1700 in such a way that the co-botic 1700 is used correctly, efficiently and safely, even in the event of reasonably foreseeable misuse.

The user manual contains instructions regarding:

- personal operator safety;
- intended and non-intended use of the co-botic 1700;
- instructions for daily use;
- maintenance instructions;
- storage conditions;
- disposal of the co-botic 1700.

These instructions must be considered to avoid risks that could lead to physical and/or material damage.

Target audience

This user manual is intended for operators of the co-botic 1700 and their supervisors, as well as partners and importers.

Operators of the co-botic 1700

The co-botic 1700 may only be operated by a person who has correctly read and understood the instructions in this manual or is trained by an experienced operator who has read and understood the instructions in this manual.



Reading guide

The following symbols and terms are used throughout this manual to alert the reader to safety issues and important information:

Symbol	Term	Explanation
	WARNING	Indicates a hazardous situation which, if the safety instructions are not followed, can lead to injuries of the operator or bystanders, light and/or moderate damage to the product or the environment.
	CAUTION	Indicates a hazardous situation which, if the safety instructions are not followed, can lead to light and / or moderate damage to the product or the environment.
	BATTERIES	Indicates a battery-operated machine, batteries must be charged according to the instructions in the separate Class I Battery Charger user manual. Batteries must be disposed of according to your local laws and regulations.
	ATTENTION	Indicates a liability situation, where the manufacturer or its partners and affiliates cannot be held accountable for damages caused by non-compliance.



Content

Preface	4
Purpose of the user manual	4
Target audience	4
Operators of the co-botic 1700	4
Reading guide	5
1 Introduction	8
1.1 Intended use of the product	8
1.2 Non-intended use of the product	8
1.3 Lifespan	8
1.4 Modifications	8
1.5 Specifications	9
1.6 Warranty	9
1.7 Identification	9
2 Description	10
2.1 Main machine	10
2.2 Dustbox	11
2.3 Charging station	11
3 Safety	12
3.1 Battery	12
General precautions	12
Health hazard	13
4 Transport and storage	13
5 Assembly and installation	13
5.1 Installation	13
5.2 Install the charger base	14
6 Operation	15
6.1 Using the co-botic 1700	15
6.2 Using the co-botic 1700 with App (FieldBots OS)	16



Content

7	Maintenance	17
7.1	Cleaning	17
7.2	Damage or worn parts	17
7.3	Maintenance frequency	17
7.4	Storage	17
8	Troubleshooting	18
9	Decommissioning and disposal.....	19
10	Specifications	19



1 Introduction

The co-botic™ 1700 is an easy and safe device to use. This manual helps you get started and explains the operation and maintenance procedure.

The battery should be fully charged before use. You can do this by placing the device onto its charging station. Please refer to your i-partner for more information on chargers.

This manual is intended for those who work with the co-botic 1700 and perform daily maintenance. The manual must be read in full before the first actions. This manual describes the correct method of use, safety measures, maintenance and transport.

i-team continuously improves all its products based on user experience and feedback. Any deviations between the texts and/or images from the manual and your product can therefore arise from a difference in model or from possible changes due to continuous development and innovation.

1.1 Intended use of the product

The co-botic 1700 is specially developed to vacuum small spaces in commercial environments. For example: in hotels, schools, hospitals, factories, shops and offices. It is intended for use indoors and in a dry environment only.

1.2 Non-intended use of the product



WARNING

Non-intended use can have consequences for the safety of operators and bystanders and will void the warranty on the product.

1.3 Lifespan

For a longer lifespan of the co-botic 1700, clean it and check it for damage after each use.

1.4 Modifications

It is not permitted to make modifications to the design of the co-botic 1700 without consultation and permission from the manufacturer. This affects the warranty, see section 1.6.



1.5 Specifications

Model:	Co-botic 1700™
Bodysize (LxWxH):	350 x 350 x 98 mm
Weight (excl. battery):	Not applicable
Weight (incl. battery):	≈ 3.6kg
Power source:	220V charging station
Battery spec i-power x:	Not applicable
Run time on battery:	up to 250 min
Charger type:	Docking
Charging time:	≈ 240 minutes
i-charge 5 time:	Not applicable
i-charge 7 time:	Not applicable

1.6 Warranty

The co-botic 1700 should only be used as intended and described in this manual. Using the co-botic 1700 in any other way will void the manufacturer's warranty. The warranty period is 1 year.

1.7 Identification

Each co-botic 1700 has a unique serial number that can be found on the bottom of the dust box. Your i-team partner needs this number when you order parts.

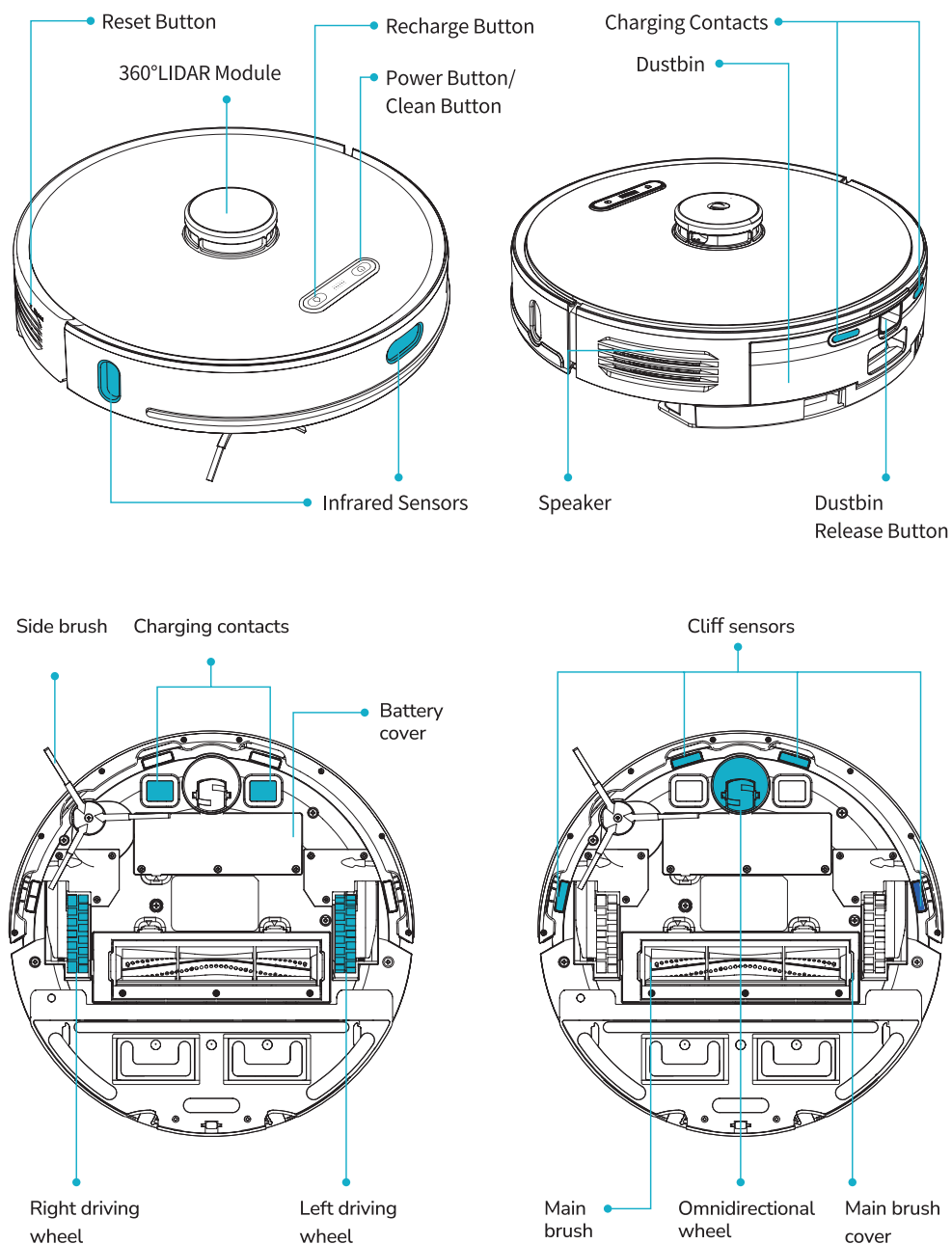


2 Description

The co-botic™ 1700 consists of:

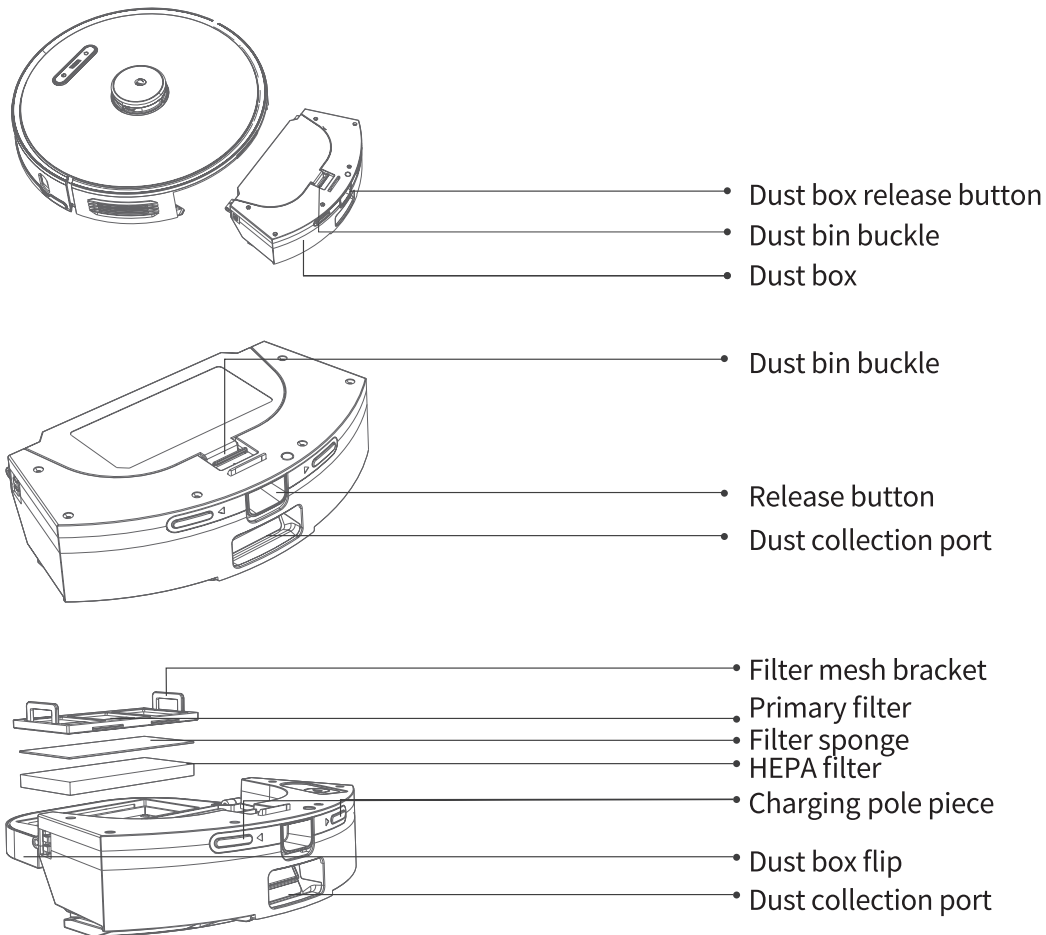
- Main Machine
- Dustbox
- Dust filter
- Cleaning tool
- Extra side brush
- Batteries
- Charging base
- Charging cables (EU and US)
- EU to UK converter

2.1 Main machine

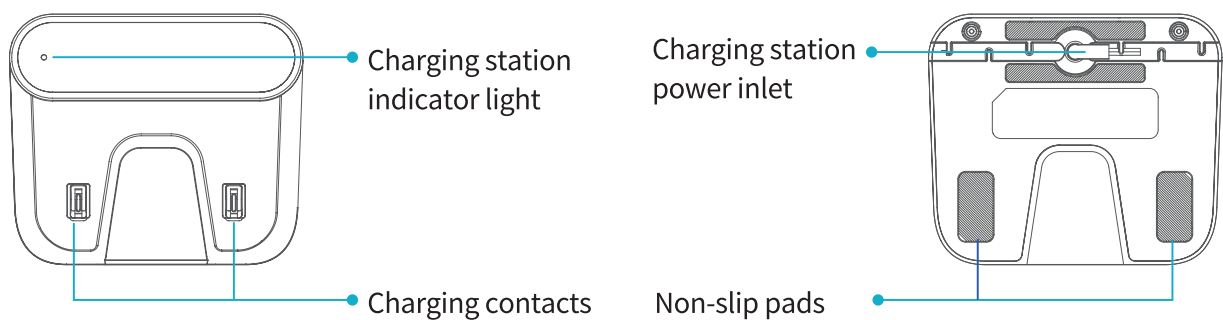




2.2 Dustbox



2.3 Charging station





3 Safety

Safety comes first. Therefore, please take time to read and understand these safety instructions. Improper use can cause harm or void the manufacturer's warranty.



WARNING

STOP OPERATION IMMEDIATELY if the co-botic™ 1700 does not perform properly or makes an unusual noise. Service the co-botic 1700 before you continue the operation.



WARNING

DO NOT use the co-botic 1700 on damp or wet surfaces. This will cause damage to the co-botic 1700 and is dangerous to the user. The damage caused by the use on a wet surface is not covered under the warranty.

3.1 Battery

General precautions



CAUTION

- Do not use in an environment where the temperature is above 40°C or below 0°C
- Do not use in an environment with any liquid or viscous substances
- Do not let children or otherwise unqualified people use the device
- Keep body parts away from the suction inlet of the machine when it is running
- Do not use it to clean any burning objects (such as lit cigarettes)
- Do not use it for suction of hard or sharp objects (such as glass, steel, nails, etc.)
- Do not transport or move the cobot by using the cover of the Lidar, the cover of the machine, or the impact bumper as the handle
- Shut the machine down before cleaning or maintaining the machine and charging base
- Do not wipe any part of the product with an overly wet cloth or liquid
- Use the product in accordance with the instruction manual. Any loss or damage caused by improper use is the user's own responsibility
- Do not incinerate the product even if it has been severely damaged, the battery inside may explode



Health hazards

WARNING

If exposed to any of the battery pack chemicals, please follow the procedures below:

Eyes - Flush the eyes with plenty of water for at least 15 minutes, holding the upper and lower eyelids open from time to time.

Inhalation - Leave the area in which the contact occurred immediately and seek fresh air. Use oxygen if available.



Ingestion - Give the person at least two glasses of milk or water. Induce vomiting if the patient is conscious. Seek medical attention.

- Do not use any third-party batteries, chargers, and charging bases
- Do not disassemble, repair or modify the battery or the charging base
- Do not place the charging base near a heat source (such as a radiator)
- Do not discard inactive batteries, dispose in professional recycling facilities of the machine, or the impact bumper as the handle
- If the power wire is broken, stop using the machine immediately
- For transport/return, turn off the machine and use the original packaging

4 Transport and storage

- Do not store the co-botic™ 1700 outdoors;
- store the co-botic 1700 only in a dry place;
- if applicable, fully charge the battery before using the co-botic 1700 again.

5 Assembly and installation

The co-botic 1700 does not require assembly. The co-botic 1700 can be used with a standard docking station. The standard docking station will require the user to empty the dirt collection bin in the cobot itself on a regular basis.

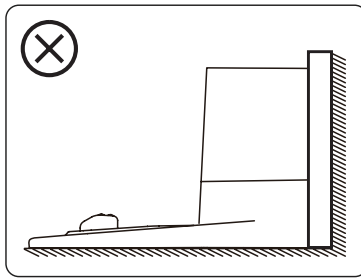
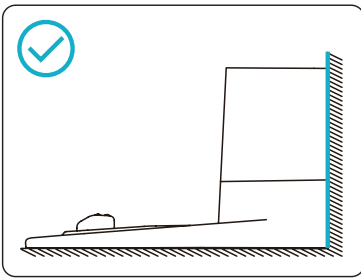
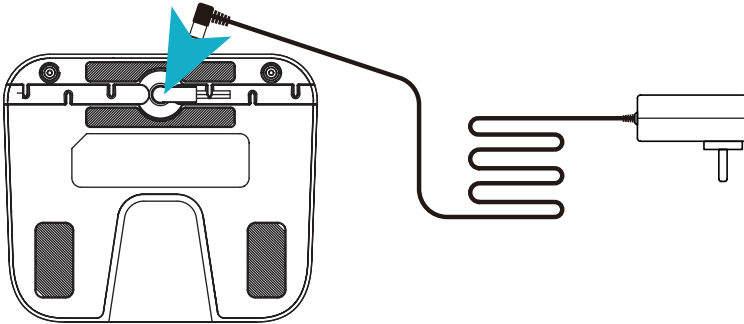
5.1 Installation

The co-botic 1700 is packed in 1 box together with a charging station and a wall plug. You must first remove the foam transportation pieces between the front bumper and the main unit.

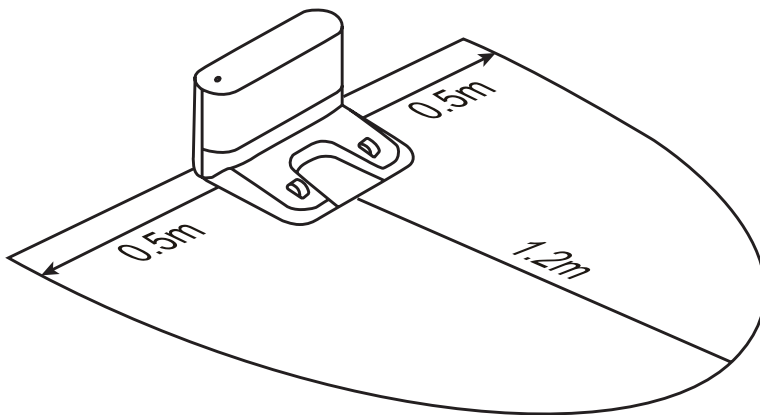


5.2 Install the charger base

1. Place the charger base flat against a wall, do not leave a gap



2. Ensure that there is more than 1.2 meters of empty space in front of the charger and more than 0.5 meters of empty space to the side.





6 Operation

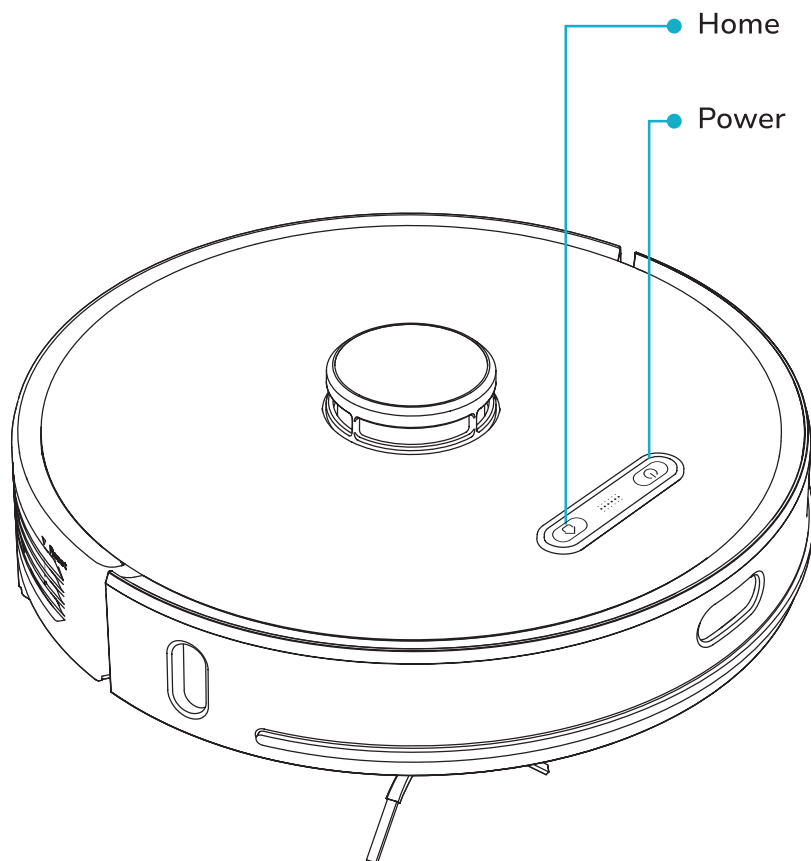
6.1 Using the co-botic 1700

1. Place the co-botic™ 1700 on the floor in front of the charger base
2. Long press the power button
3. The cobot will find it's charging base



ATTENTION

Fully charge the battery the first time you use the co-botic 1700.

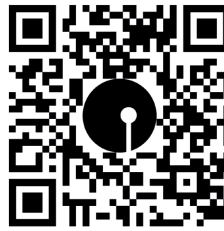


1. Quick press the power button
2. The co-botic 1700 will begin cleaning the space it is in
3. While it is cleaning it will also build a map of the space that can be used later with the app
4. After cleaning, the cobot will return to it's charging base ("Drop & Go")
5. NOTE: If the hotel version of software is installed on the device, the cobot WILL NOT return to it's base, instead it will return to the position where it was first started.
6. Press the home button to manually tell the cobot to return to it's base

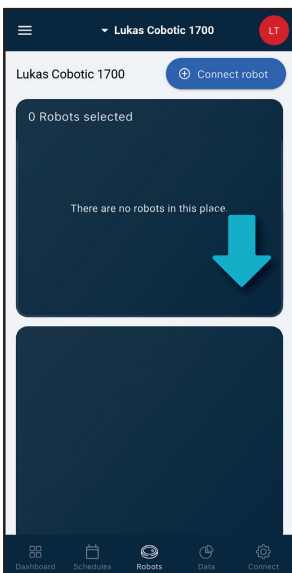


6.2 Using the co-botic 1700 with App (FieldBots OS)

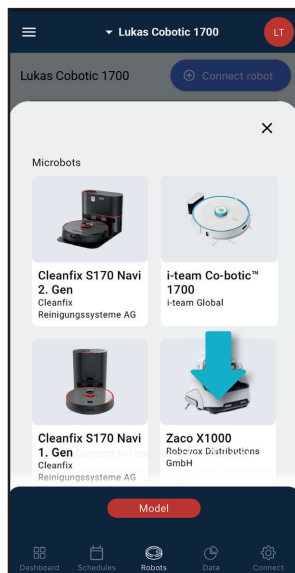
1. The co-botic™ 1700 can be managed with FieldBots OS. Therefore, download the App and register free of charge.



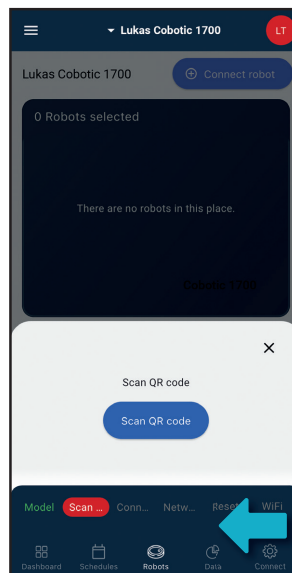
2. Please create a FieldBots Account. Therefore, open the FieldBots App and Tab on “Register”. Fill in your information or press on the “Apple” or “Google” logo to use Single Sign On. After registration, please proceed as shown by the following screenshots. Without upgrading from FieldBots Starter, you are able to connect two co-botic™ 1700 at the same time within the App.



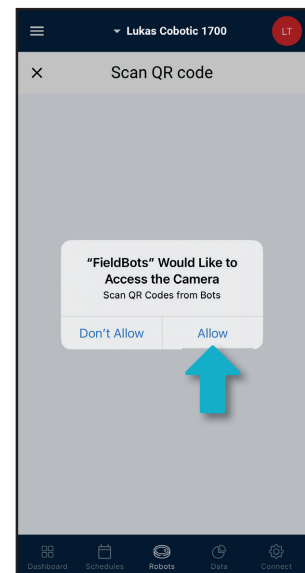
1. Tab on “Connect robot”



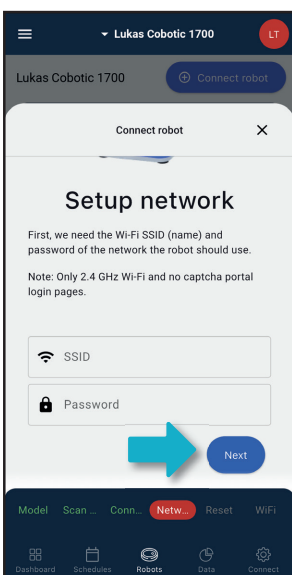
2. Choose you i-team model



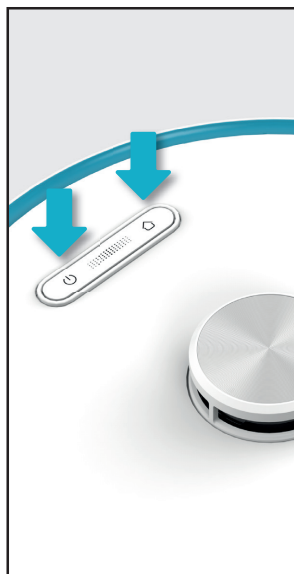
3. Scan QR-Code on robot



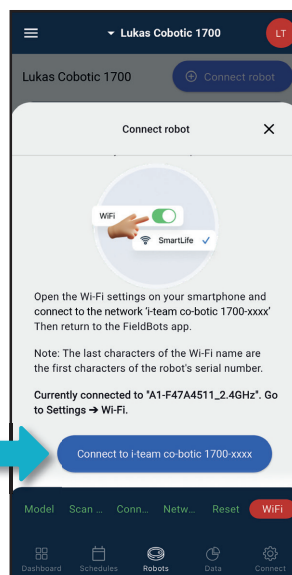
4. Allow FieldBots to use smartphone or tablet camera



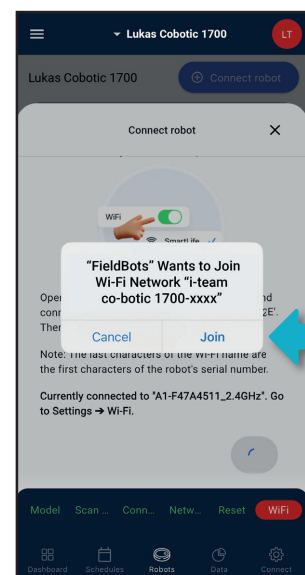
5. Fill in your Wi-Fi credentials



6. Press “Power” and “Home” Buttons on the robot simultaneously for five seconds



7. Connect to the network “i-team co-botic 1700-xxxx”



8. Press “Join”



7 Maintenance



WARNING

Before you start maintenance or replacing parts; Turn off the co-botic™ 1700 and remove the battery (if applicable).

The co-botic 1700 does not require much maintenance. However it is recommended to clean the machine after using it and before storing it. To clean it, simply wipe it down with a dry microfiber cloth. Do not wet the cloth.

For a proper functioning and a long lifespan of the co-botic 1700, it is important to follow the recommended maintenance intervals mentioned in this manual.

Maintenance that is not described in this manual should be done by your co-botic 1700 partner. Please make sure to have the model and serial number of the co-botic 1700 available when you call a partner. For more information please fill out the contact form on www.i-teamglobal.com.

7.1 Cleaning

Clean the exterior of the machine using a dry microfiber cloth.

7.2 Damaged or worn parts

Damaged or worn parts need to be replaced immediately. Contact your local i-team Global partner or visit www.i-teamglobal.com for more information.

7.3 Maintenance frequency

To ensure proper and safe operation throughout the life of the co-botic 1700, it is recommended to have an authorized i-team partner check the machine after the first 50 hours of use and then every 125 hours afterwards.

7.4 Storage

See section 4.



8 Troubleshooting

List of fault codes:

Abnormal 1 Please confirm that the laser ranging sensor is not blocked	Please check or remove foreign objects around the laser ranging sensor or move the device to a new location to restart
Abnormal 2 Please wipe the cliff sensor and move to a new position to start	Wipe the main power cliff sensor and try again (refer to the manual for sensor location)
Abnormal 3 A strong magnetic field is detected. Move to a new location, and then retry	Please move the robot to a new location and try again
Abnormal 4 Please check the collision sensor and clear foreign objects around it	Try pressing the front bumper and removing foreign objects, then restart the robot
Abnormal 5 The temperature of the robot is abnormal. Please wait for the temperature to return to normal	The temperature of the robot is too high or too low. Please wait until the temperature returns to normal before using
Abnormal 6 Charging is abnormal. Please clean the charging contacts	Please check if the original power adapter is used. Please check if the charging station is in a perfectly horizontal position



9 Decommissioning and disposal



ATTENTION

It is the responsibility of the co-botic™ 1700 owner to dispose of the product properly and safely.

At the end-of-life the co-botic 1700 still contains valuable resources and needs to be disposed of according to your local laws and regulations regarding recycling of electrical equipment.

1. If applicable, remove the battery for separate disposal.
2. Remove all loose components.
3. Dispose of all items according to your local laws and regulations.

TIP: Contact your local i-team partner to explore all possibilities of returning components at the end-of-life of your co-botic 1700.

10 Specifications and CE

Model:	Co-botic 1700™
Bodysize (LxWxH):	350 x 350 x 98 mm
Weight (excl. battery):	Not applicable
Weight (incl. battery):	≈ 3.6kg
Power source:	220V charging station
Battery spec i-power x:	Not applicable
Run time on battery:	up to 250 min
Charger type:	Docking
Charging time:	≈ 240 minutes
i-charge 5 time:	Not applicable
i-charge 7 time:	Not applicable



i-team Professional B.V.

Hoppenkuil 27b, 5626 DD Eindhoven, The Netherlands

Telephone: +31402662400

Email: hello@i-teamglobal.com

Internet: www.i-teamglobal.com



i-team®

i-teamglobal.com