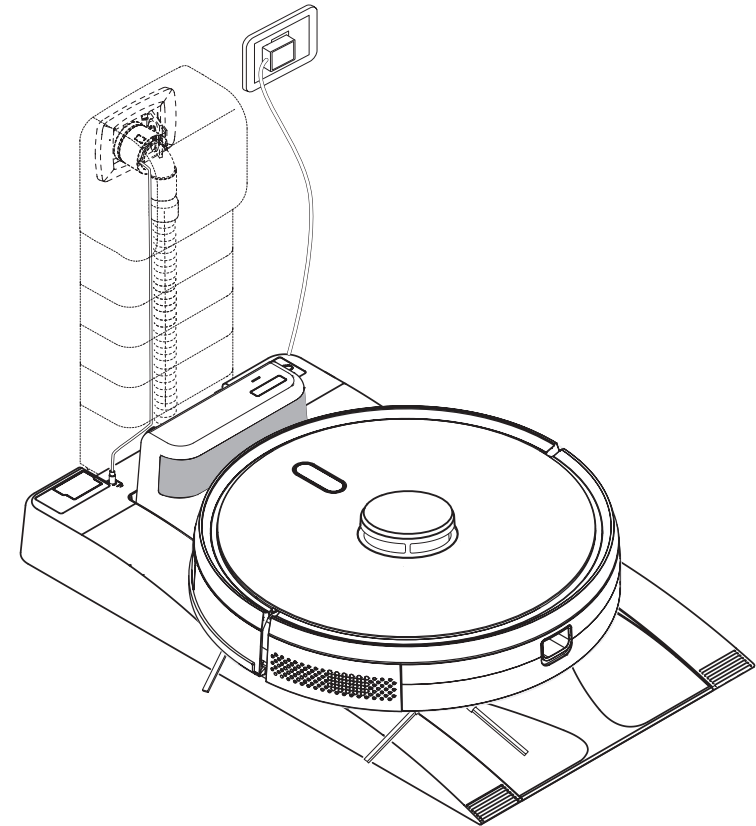


INSTRUCTION MANUAL
LASER ROBÒ - TR900L VACUUM CLEANER AND FLOOR MOP



EN - WARNING: READ THE INSTRUCTIONS BEFORE USE

SCAN THE QR CODE



to access **AERTECNICA DEVICE** area
dedicated to app for Android and iOS
platforms



*We welcome you to the world of TUBÒ
ROBÒ, your trusted assistant!*

*We are delighted that you have chosen the
quality of Aertecnica to keep your home or
workplace clean.*

*Since 1985, we have been striving to offer
you the finest technological solutions so that
you can inhabit your daily living spaces in the
best and, above all, healthiest way possible.
Controlling the dust in your environment
correctly ensures that you breathe healthy air
every day. This is why we have created the
TUBÒ system, of which TUBÒ ROBÒ is a
precious ally.*

*To obtain all the cleanliness you desire, we
recommend reading this manual. Don't
worry, it will only take a few minutes. Your
TUBÒ ROBÒ is silent, powerful... and full of
resources that you'd never imagine.*

*Contact us to express your opinion on TUBÒ
ROBÒ. We are a dynamic company and value
your opinion so that we can improve our
products.*

*Our team will be pleased to receive your
comments and will use them to make TUBÒ
ROBÒ even more efficient. What we do is
tailored to the needs of your daily life.*

Thank you again for choosing us!

Aertecnica S.p.A.

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VISIT

www.aertecnica.com

for useful information on how to use
and maintain TUBÒ ROBÒ

TUBÒ | **ROBÒ**

Tutorial area

REGISTER THE WARRANTY
ON-LINE on www.aertecnica.com

activate the warranty for your
TUBÒ ROBÒ straight away
(valid for Italy only)

GENERAL INFORMATION

SAFETY AND INTENDED USE

• Read the following manual before using TUBÒ ROBÒ. Observe all the instructions on safety, use and maintenance. Store this manual for future reference. Observe all the audio warnings uttered by TUBÒ ROBÒ, besides the advice concerning the battery and the charging dock.

• Use the product according to this User Manual. The user should be responsible for any damages and injuries caused by improper use

• TUBÒ ROBÒ must not be used by children aged 8 years or younger and by persons with reduced physical, sensory or mental abilities. Non-expert or untrained persons may only use TUBÒ ROBÒ if supervised by a person responsible for their safety.

• This robot is not a toy. Supervise or keep away small children and domestic animals when TUBÒ ROBÒ is operating.

• Keep hair, fingers and other parts of human body or pets away from the suction inlet when the machine is working.

• Do not use the product in open spaces areas (such as a penthouse, open terrace and furniture top) without a protective fence.

• Do not leave the robot's electrical parts, battery or charging dock exposed. Make sure that the domestic mains voltage matches the rated voltage of the charging dock supplied.

• TUBÒ ROBÒ was designed exclusively for being used in indoor domestic environments. Do not use TUBÒ ROBÒ to collect burning materials or ash.

• Do not use TUBÒ ROBÒ to vacuum liquids, detergents, solvents or other chemical substances, except those indicated in the "Routine maintenance" chapter. Do not use the tank with the water dispenser and the micro-fibre cloth to clean rugs.

• Do not use the mopping function for carpets and furniture tops.

• Do not use the product at a temperature of above 40°C or below 10°C or when there are liquids and sticky substances on the ground.

• Before using the robot, collect fragile objects, garments, clothing and shoes, newspapers and magazines, ribbons, strings and curtains from the floor, as they could hamper or prevent the regular cleaning cycle of TUBÒ ROBÒ.

• Do not use the product to clean long-haired carpets (some dark carpets may not be cleaned normally).

• Do not leave power cords running along the floor or any objects connected to them that could be dragged by TUBÒ ROBÒ or damaged by tipping over or falling.

• Do not move the machine by holding the protective cover of the laser distance sensor or the collision bumper.

• Always handle the appliance with both hands

• Do not place anything on top of TUBÒ ROBÒ neither objects nor animals.

• Do not spray or pour liquids on TUBÒ ROBÒ.

• Be sure to remove the water tank when the machine is being charged.

• If there is an access to a balcony or gallery in the cleaning zone, use **FORBIDDEN ZONE** function (see pag 7) to prevent the robot from entering it and thus guarantee its safe operation.

• TUBÒ ROBÒ does not contain any components that can be repaired by the end user.

• For technical assistance requests, send an e-mail to info@aer-tecnica.com (*for Italy only*) or to the authorised foreign retailer.

BATTERY AND CHARGING

• Only use the original battery charger to charge TUBÒ ROBÒ. The product cannot be used with any other type of charger. The use of other battery chargers will immediately void the warranty.

• If the charger has a damaged cord or plug, it must be replaced with an original spare part.

• Only use original batteries for TR900L.

• The charging dock must only be installed in environments protected against rain or thunderstorms.

• In case of thunderstorms, protect the charging dock against current overloads.

• Never touch the charging dock with wet hands.

• Make sure that the voltage of the domestic power network matches the rated voltage of the battery charger supplied.

• Move TUBÒ ROBÒ from the charging dock before performing cleaning and maintenance.

• Prior to each use, check the battery and verify whether there are any signs of damage or leakage. Do not charge batteries that are damaged or show signs of leakage.

• The battery must be removed before disposing of TUBÒ ROBÒ.

• Do not place the battery near sources of heat.

• Do not immerse the battery in a liquid.

• Technical assistance must be carried out by authorised personnel. TUBÒ ROBÒ TR900L does not contain any components that can be repaired by the end user.

LASER SAFETY

• The laser distance sensor of the product complies with the IEC60825 standard for class 1 laser products and doesn't produce dangerous laser radiation.

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WARRANTY

Warranty conditions for Italy

AERTECNICA guarantees TUBÒ ROBÒ TR900L for a period of 24 months starting from the documented (invoice or tax receipt) date of purchase.

If there is no documentation proving the purchase date, the 24-month period will refer to the date on which TUBÒ ROBÒ TR900L was sold by AERTECNICA.

The warranty conditions are those envisaged in the current legislation of the European Union (EU).

For any dispute, the Court of Forlì-Cesena (ITALY) shall have exclusive jurisdiction.

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Warranty conditions for EU countries

In European Union countries, the legal warranty shall be granted by the importing company.

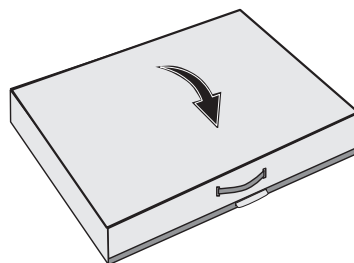
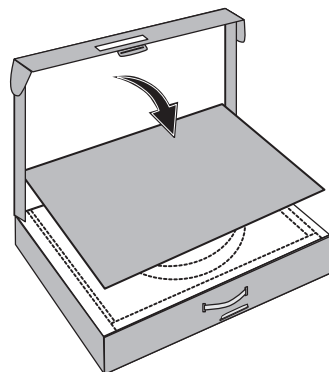
Warranty conditions for non-EU countries

For countries outside of the European Union, the warranty shall be granted by the importing company and the warranty conditions are those envisaged in the law of the country to which the product is imported.

.....

PLEASE NOTE

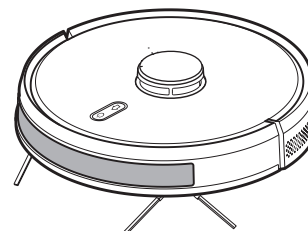
The original packaging must be kept in case the product must be shipped to the Technical Assistance Service or to exercise the right of withdrawal.



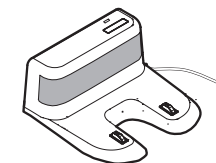
MATERIAL PROVIDED

After opening the packaging, check that the following components – all supplied with TUBÒ ROBÒ – are present:

TUBÒ ROBÒ



TR900L



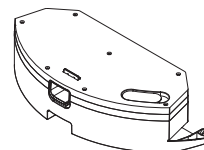
charging dock



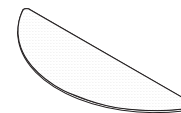
charging dock charger
(length 1,5m)

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ACCESSORIES



tank with water dispenser



floor mop

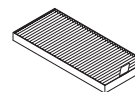


brush cleaning
comb

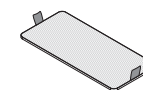


ATR806
remote control

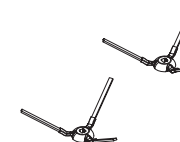
SPARE PARTS



HEPA filter



sponge filter

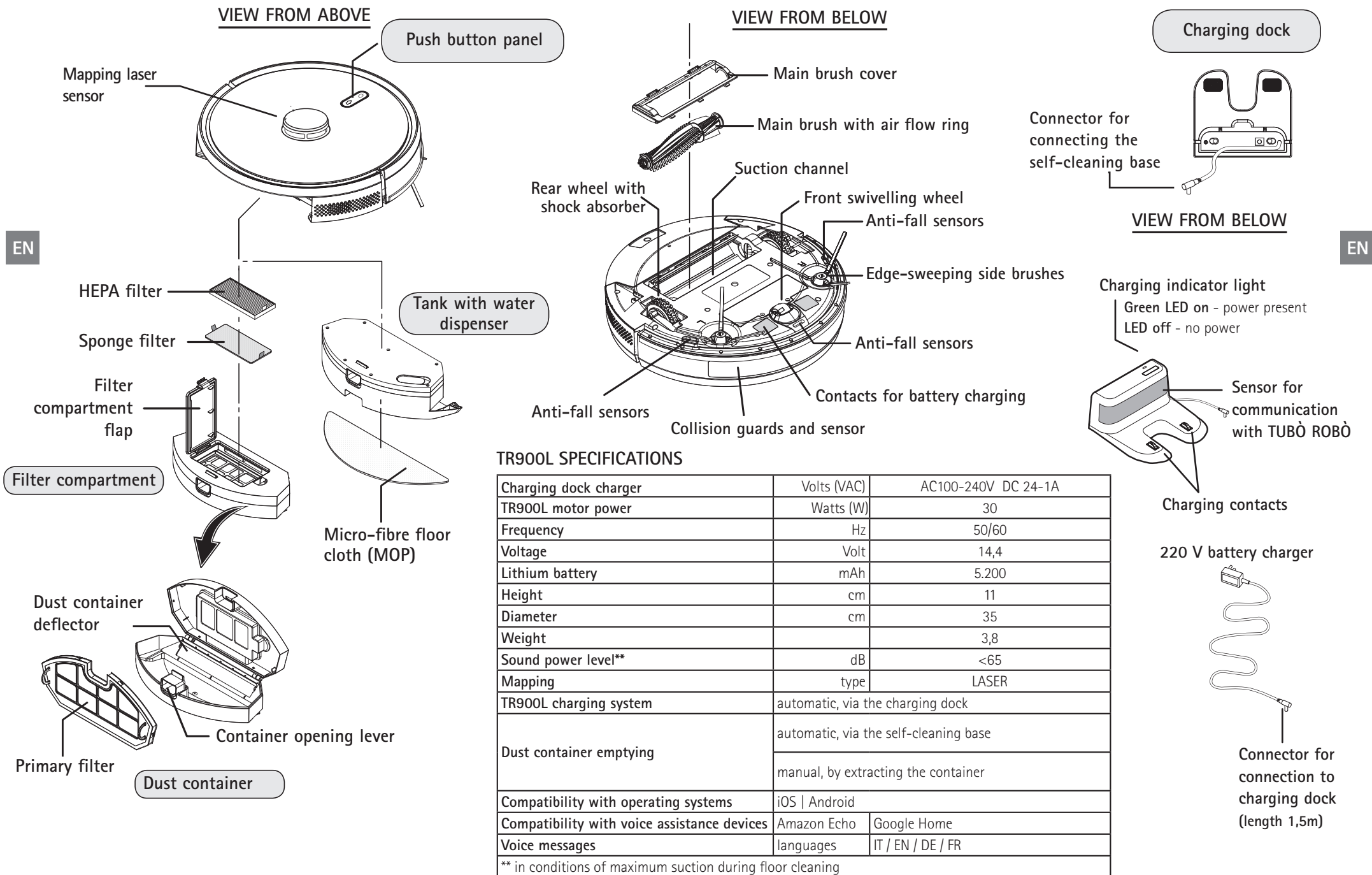


edge-sweeping side brushes



floor mop

DESCRIPTION OF THE COMPONENTS



TR900L SPECIFICATIONS

Charging dock charger	Volts (VAC)	AC100-240V DC 24-1A
TR900L motor power	Watts (W)	30
Frequency	Hz	50/60
Voltage	Volt	14,4
Lithium battery	mAh	5.200
Height	cm	11
Diameter	cm	35
Weight		3,8
Sound power level**	dB	<65
Mapping	type	LASER
TR900L charging system	automatic, via the charging dock	
Dust container emptying	automatic, via the self-cleaning base	
	manual, by extracting the container	
Compatibility with operating systems	iOS Android	
Compatibility with voice assistance devices	Amazon Echo	Google Home
Voice messages	languages	IT / EN / DE / FR
** in conditions of maximum suction during floor cleaning		

INSTALLATION

DOMESTIC ENVIRONMENTAL CONDITIONS

For optimal results, the temperature of the domestic environment must be between 10°C and 40°C.

PLEASE NOTE

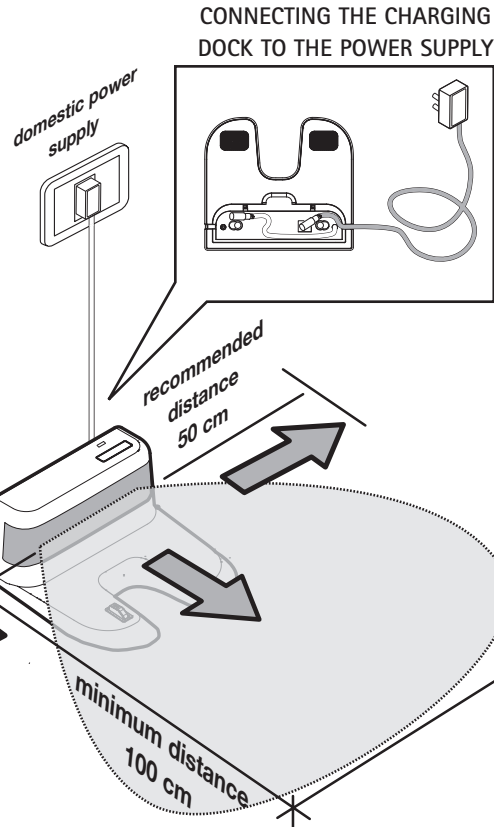
Prevent direct sunlight from reaching the charging dock as it may interfere with the communication and hamper the regular operation of TUBÒ ROBÒ.

INSTALLING THE CHARGING DOCK WITHOUT THE SELF-CLEANING BASE

Position the charging dock at least 100 cm away from stairs, empty zones and walls, so that TUBÒ ROBÒ can leave the charging dock freely.


Make sure that the floor is flat and that the rear part of the self-cleaning base on which the robot is inserted touches the wall.

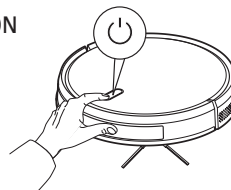
Make the electrical connection to power the charging dock as shown in the picture.



ACTIVATING / DEACTIVATING THE AUTOMATIC SELF-CLEANING FUNCTION

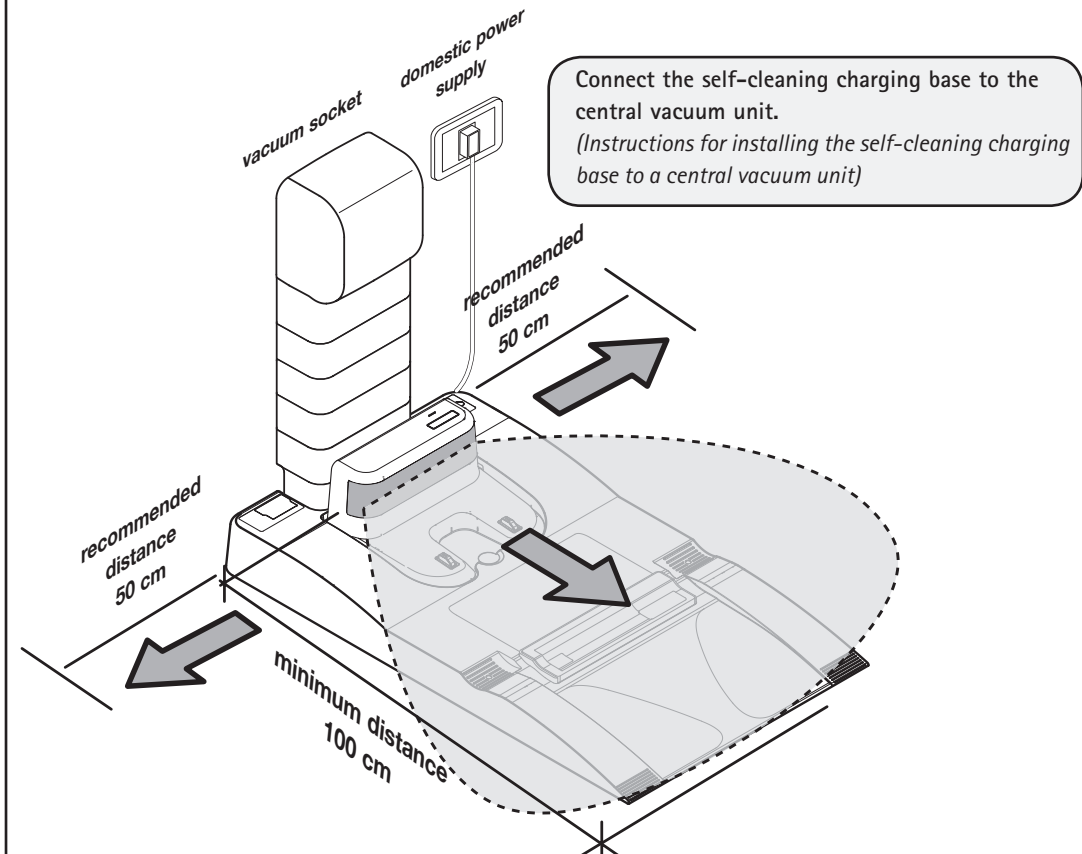
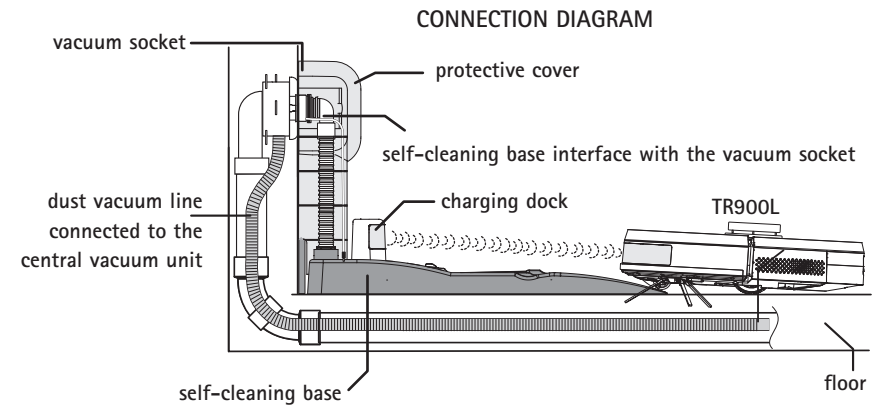
The self-cleaning function can only be performed with the self-cleaning base.

To disable this setting, move TUBÒ ROBÒ off the self-cleaning charging base and simultaneously press and hold for 3 seconds the  button and the front collision guard, or disable it via the AERTECNICA DEVICE app.



INSTALLING THE CHARGING DOCK WITH THE SELF-CLEANING BASE

In this solution, the self-cleaning base is connected to a central vacuum unit to eliminate the dust collected by TUBÒ ROBÒ without the user's direct intervention.



CHARGING THE BATTERY

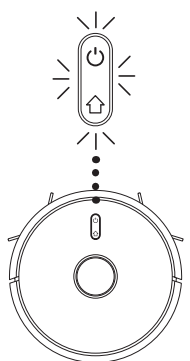
FIRST ROBÒ CHARGE

When charging TUBÒ ROBÒ for the first time, place it on the charging dock until the battery is fully charged.



WARNING

Leave TUBÒ ROBÒ to charge on the charging dock until the flashing blue light turns off.



STEADY RED LIGHT

Robot flat

FLASHING BLUE LIGHT

Charging in progress

STEADY BLUE LIGHT

Charging completed

AUTOMATIC CHARGING – RESTART CLEANING

TR900L will return to the charging base automatically if the battery level is less than 20% in use and will be powered off. It restart cleaning automatically from where left off until the job was completed.

TIPS FOR USE

For improved cleaning efficiency, inspect the areas involved beforehand and prepare them as follows:

- Before each use, fully charge the battery.
- Orient the self-cleaning base preferably towards the center of the cleaning area.
- Clear the surfaces of the home from any obstacles that can be struck during cleaning, move any objects lying in the way such as electrical cables, shoes, handbags with straps, magazines and newspapers, remove light rugs, vases and fragile furnishings, toys scattered on the floor, place chairs above the tables, raise curtains or sofa covers with fringes touching the floor, and lift bowls for pet food.
- Be careful with objects in precarious balance that can be struck by the robot directly or indirectly. Check that any open doors are not closed after colliding with ROBÒ, blocking the latter inside the room and preventing it from returning to the charging dock.
- ROBÒ performs its cleaning cycle regularly even if domestic animals are present. Any zones of the home to be excluded from ROBÒ's path can be delimited using the FORBIDDEN ZONE function of the app. AERTECNICA DEVICE.

TOTAL CHARGING TIME

If the battery is completely flat, it may take roughly 2 hours to charge completely.


LOW BATTERY LEVEL

If the battery level is below 20%, TUBÒ ROBÒ will not be able to function.

In such case, it must be placed manually on the charging dock and left there until the battery charges fully.

STAND-BY

Once TUBÒ ROBÒ has been fully charged, it enters the STAND-BY mode.

To reactivate, press the button  for 1 second.

BATTERY REPLACEMENT

When the battery is exhausted, it must be replaced with a new original one. The instructions for replacing the battery are included in the spare part's package.



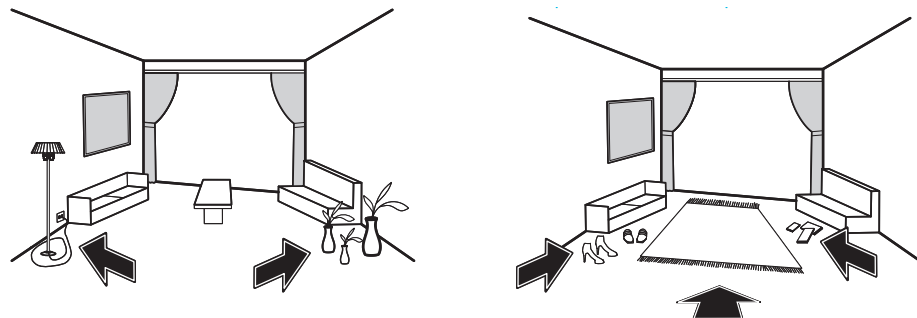
Lithium batteries constitute special solid waste that must be disposed of according to the applicable regulations.

PLEASE NOTE

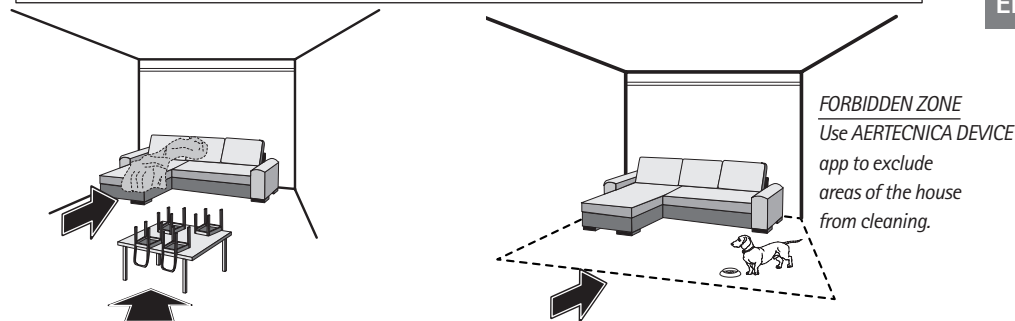
Upgrade firmware: If new firmware is detected, upgrade it according to prompt. The battery level should be \geq at 50% during firmware upgrade

If prolonged periods of non-use are expected, charge the battery fully, remove it and store it in a cool and dry place.

AVOID

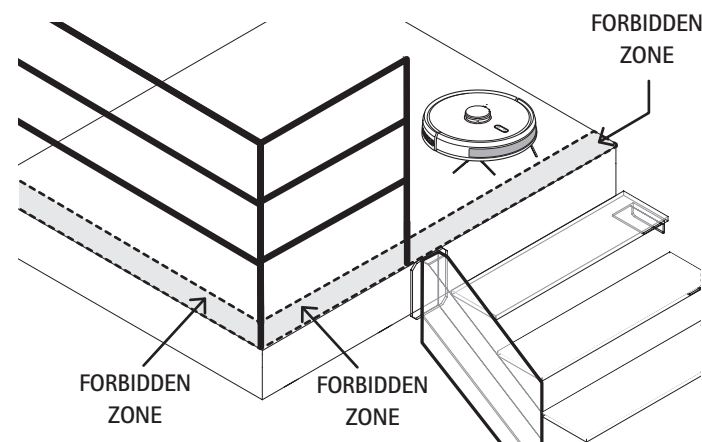


RECOMMENDED



ANTI-FALL SENSORS

TUBÒ ROBÒ is equipped with anti-fall sensors to stop it in presence of stairs (balconies, middle floor, etc...) However, if the accidental fall of the robot can cause damage to things or people, it is highly recommended to increase safety by inserting FORBIDDEN ZONES with AERTECNICA DEVICE app.



CLEANING PROGRAMMES

These programmes can also be activated via the AERTECNICA DEVICE app. which you download by scanning the QR code



SMART CLEANING



Smart Start cleaning

EN

After pressing the above commands TUBÒ ROBÒ starts and automatically calculates the optimal cleaning route by choosing which path to take to cover all the accessible rooms.

Once cleaning terminates, TUBÒ ROBÒ returns to its charging base, empties the dust container (if the self-cleaning base is mounted) and charges the battery automatically.

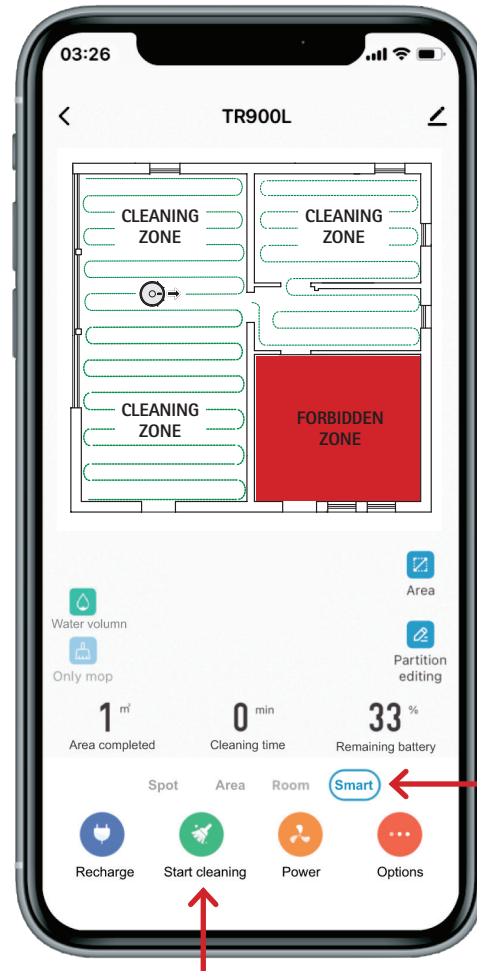
FORBIDDEN ZONE



Via AERTECNICA DEVICE app. is possible to create virtual barriers, one or more forbidden areas in which the robot doesn't work.

Do not move the robot casually and frequently when it is cleaning. If the positioning fails, the robot would abort previous mission, make a map and do the cleaning again.

Even it may not find the charging base



AREA CLEANING



Cleaning Area Cleaning Start

After pressing the above commands TUBÒ ROBÒ starts to clean the specific area set.

PARTITION / ROOM EDITING

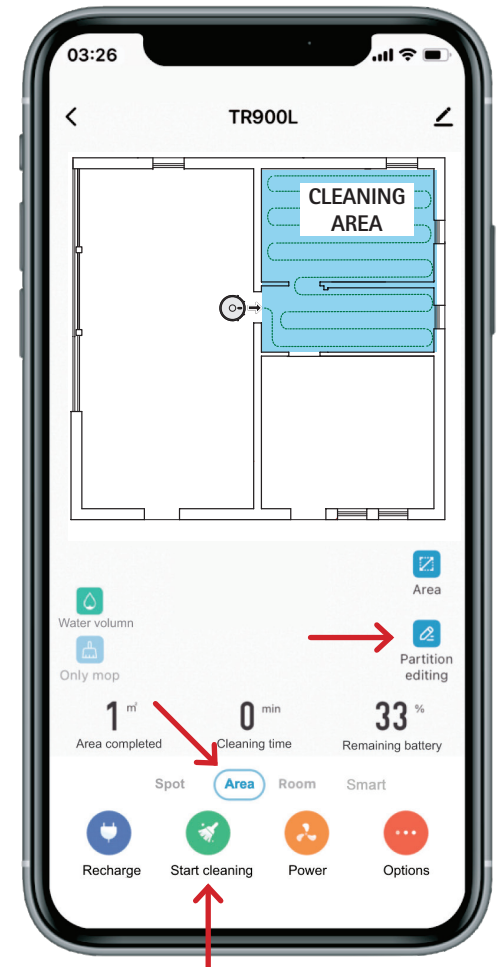
Partition / Room editing



After saving the mapping of all the rooms in the house, it is possible to create the size and position of one or more specific areas to be cleaned. TUBÒ ROBÒ will activate to clean only specific areas.

With the "Frequency cleaning area" function TUBÒ ROBÒ setting several consecutive passes

Once cleaning terminates, TUBÒ ROBÒ returns to its charging base, empties the dust container (if the self-cleaning base is mounted) and charges the battery automatically.



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SPOT CLEANING



Spot



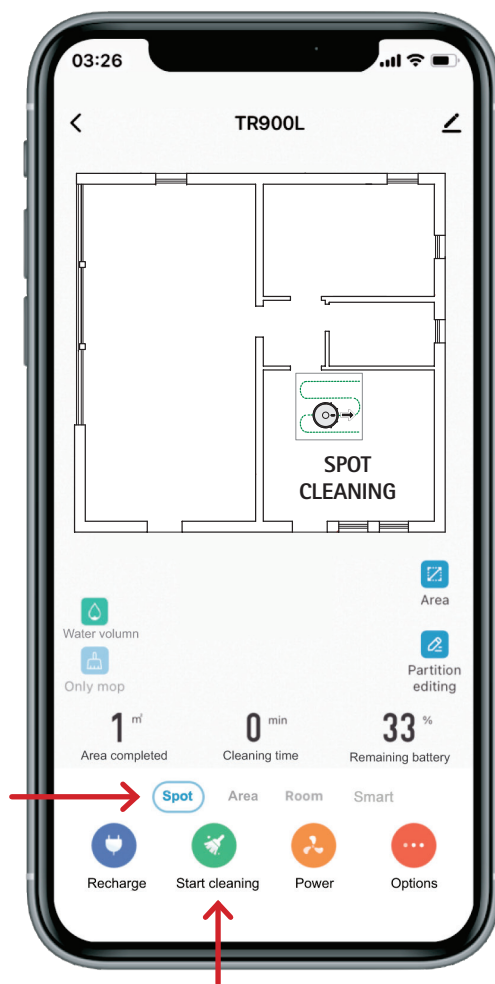
Start cleaning

When a local area needs a deep sweep, the user specifies a point on the map on AERTECNICA DEVICE app., the machine will automatically drive to the vicinity of the point, take the point as the center, and clean within 1.5m x 1.5m.

EN

It is possible to set several consecutive passes of TUBÒ ROBÒ.

Once cleaning terminates, TUBÒ ROBÒ returns to its charging base, empties the dust container (if the self-cleaning base is mounted) and charges the battery automatically.



WARNING

Do not move TUBÒ ROBÒ casually and frequently when it is cleaning. After moving, please put the robot near the original position. When it starts again, it will try to reposition itself. After successful positioning, it would follow the planned path and continue to work. If the positioning fails, TUBÒ ROBÒ would abort previous mission, make a map and do the cleaning again. Even it may not find the charging base.

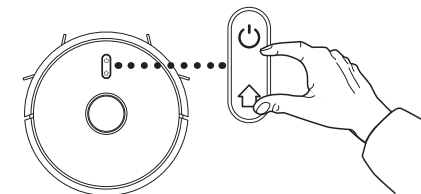
TUBÒ ROBÒ CONTROL MODES

TUBÒ ROBÒ TR900L has three control modes:

push-button panel - AERTECNICA DEVICE app. - ATR806 Remote control

OPERATION WITH THE PUSH-BUTTON PANEL

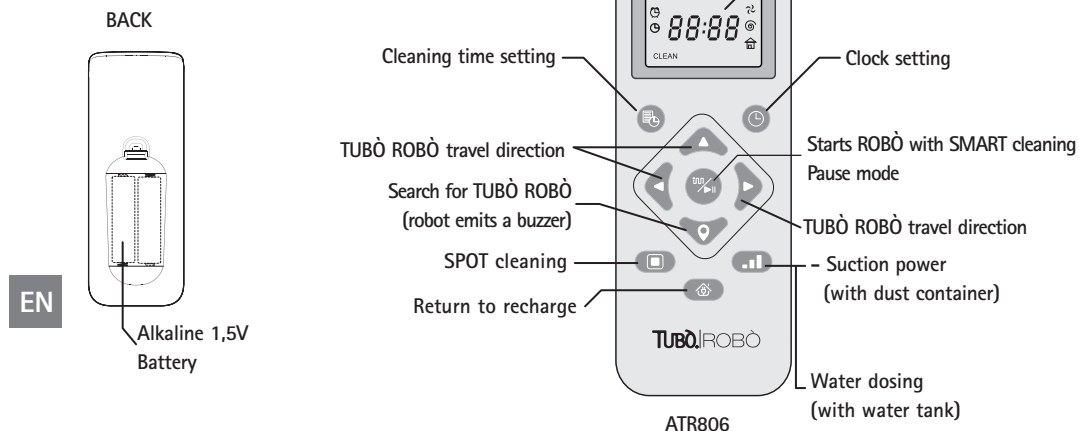
The push-button panel allows for using the following control modes:



FUNCTION	BUTTONS ON TUBÒ ROBÒ
SWITCH-ON TUBÒ ROBÒ switches on (check the battery charge as explained on page 7)	press the button for 6 seconds
CLEANING CYCLE START the SMART cleaning programme activates (starts with the self-cleaning charging base)	press the button briefly
PAUSE / RESTART puts the cleaning programme in pause/restart mode	press the button briefly
RETURN TO CHARGING BASE the robot returns to the charging base wherever it is located	press the button briefly
DUST CONTAINER AUTOMATIC CLEANING (only with self-cleaning charging base)	with TUBÒ ROBÒ mounted on the self-cleaning base, press the button twice rapidly. The central vacuum unit activates and the TUBÒ ROBÒ dust container empties
SPOT CLEANING PROGRAMME	press the button for 3 seconds
REPEAT CLEANING CYCLE	press the button twice
SELF-CLEANING FUNCTION DISABLING / ENABLING the automatic self-cleaning function is disabled / enabled again	simultaneously press and hold for 3 seconds the button and the front collision guard
SWITCH-OFF TUBÒ ROBÒ switches off with any set cleaning programme	press the button for 6 seconds

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FUNCTIONS WITH ATR806 REMOTE CONTROL



SET DAYS AND HOURS OF CLEANING CYCLES

Enter programming mode pressing one time on the button	
Select the days (or the whole week) to activate the cleaning cycle by moving with right or left button	
Confirm the day choice with the central button	
Select the time of the cleaning cycle pressing up and down on the buttons	
Move with the right or left button on the minutes	
Set the minutes pressing on up and down buttons	
Confirm the choice with the central button	
Save the programming of the cleaning cycles and exit pressing on the button	
Setting at least one cleaning time an icon appears on the display	

CLEAR CLEANING CYCLES

Enter programming mode pressing one time on the button	
Select the day to be removed by moving with right or left button	
Delete the chosen day holding down the button for a few seconds	
Press the button to exit the cleaning timing mode	

CLOCK SETTING

Enter programming mode pressing one time on the button	
Select the days (or the whole week) to activate the cleaning cycle by moving with right or left button	
Confirm the day choice with the central button	
Set hours pressing on up and down buttons	
Move with the right or left buttons on the minutes	
Set the minutes pressing on up and down buttons	
Confirm the choice with the central button	

CLEANING MODES

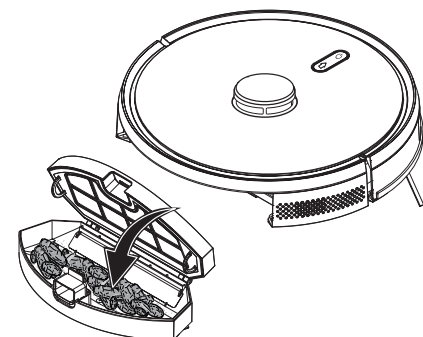
TUBÒ ROBÒ TR900L has two cleaning modes: **DUST REMOVAL (STANDARD) – FLOOR WASHING**

The modes are enabled automatically on the basis of the type of container/tank inserted on TUBÒ ROBÒ.

DUST REMOVAL (STANDARD)

TUBÒ ROBÒ cleans floor surfaces using the edge-sweeping side brushes and the main brush.

The dust collected is conveyed to the dust container which is then emptied automatically on the self-cleaning base, or manually by the end user.



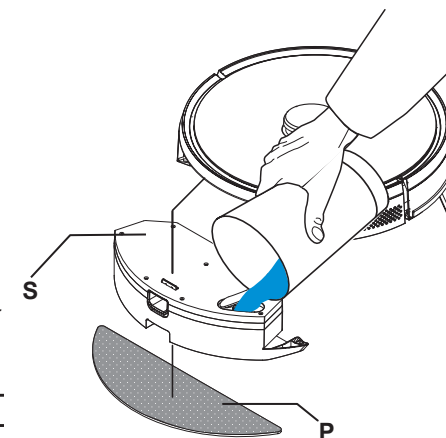
PLEASE NOTE

TUBÒ ROBÒ will not start unless the dust container is mounted on it.

FLOOR WASHING

TUBÒ ROBÒ cleans floor surfaces using the water contained in the tank (S) and the MOP micro-fibre cloth (P) which retains moisture depending on how much water was dispensed by TUBÒ ROBÒ.

With the AERTECNICA DEVICE app and the remote control, it is possible to choose the level of water dispensed to the MOP.



PLEASE NOTE

- when using the FLOOR WASHING mode, it is necessary to move the rugs along the cleaning route;

- the tank with dispenser must be filled completely with water alone (at 30°C) as indicated;

- at the end of the washing cycle, empty the tank of any residual water, wash the cloth used and mount the dust container back on.

WARNING

With the water tank inserted, TUBÒ ROBÒ collects dust with the brushes and conveys it to the suction channel without activating the suction turbine.

ROUTINE MAINTENANCE

To guarantee optimal performances from TUBÒ ROBÒ TR900L, complete the single routine maintenance operations listed in this chapter.

The maintenance intervals listed in the table are subject to change in relation to the type of domestic environment, the presence of pet animals and how frequently the robot is used.

INDICATIVE ROUTINE MAINTENANCE SCHEDULE			
		with self-cleaning base	without self-cleaning base
dust container	empty the dust container	empties automatically when the robot returns to the self-cleaning base	after every use
self-cleaning base	clean thoroughly by removing dirt residues	every 10 cleaning cycles	--
primary filter HEPA filter sponge filter	clean each filter thoroughly by removing dirt residues, filters should not be washed	weekly visual inspection and clean when necessary	weekly visual inspection and clean when necessary
side brushes left (L) – right (R)	clean thoroughly by removing hair, threads and residues using the comb supplied	weekly visual inspection and clean when necessary	weekly visual inspection and clean when necessary
main brush	clean thoroughly by removing hair, threads and residues using the comb supplied	weekly visual inspection and clean when necessary	weekly visual inspection and clean when necessary
charging dock	clean the sensors on the front of the charging dock using a damp cloth	every 30 cleaning cycles	every 30 cleaning cycles
	clean the contacts of the charging dock using a damp cloth	every 20 cleaning cycles	every 20 cleaning cycles
sensors	clean all sensors on ROBÒ using a damp cloth	every 20 cleaning cycles	every 20 cleaning cycles
casters	clean thoroughly by removing hair, threads and dirt residues	every 10 cleaning cycles	every 10 cleaning cycles
tank with water dispenser	fill with water only	empty after every use	
MOP floor cloth	wash under running water	after every washing cycle	

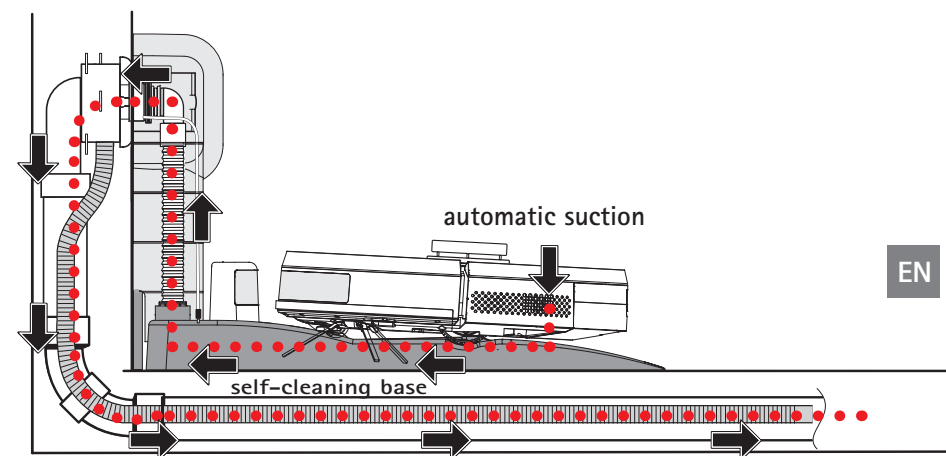


People who are sensitive to contact with dust should always wear personal protective equipment (suitable face mask and gloves) before cleaning the filters, brushes and dust container.

CLEANING THE DUST CONTAINER – (SELF-CLEANING FUNCTION)

WITH AUTOMATIC CHARGING BASE

The dust container is cleaned automatically when ROBÒ returns to the self-cleaning charging base.

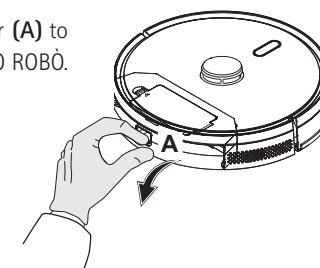


dust sucked up by the central vacuum unit

PERIODIC INSPECTION OF THE DUST CONTAINER

We recommend periodically checking the dust container manually and clearing it thoroughly from any materials not sucked up by the central vacuum unit.

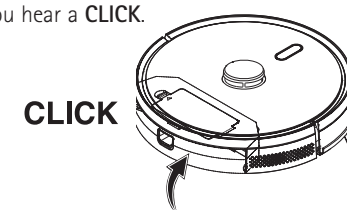
1 - Press the opening/closing lever (A) to remove the dust container from TUBÒ ROBÒ.



2 - Open the dust container, empty it completely and clean it with a cloth.



3 - Press the lever (A) again and insert the container until you hear a CLICK.



CLEANING / REPLACING THE FILTERS

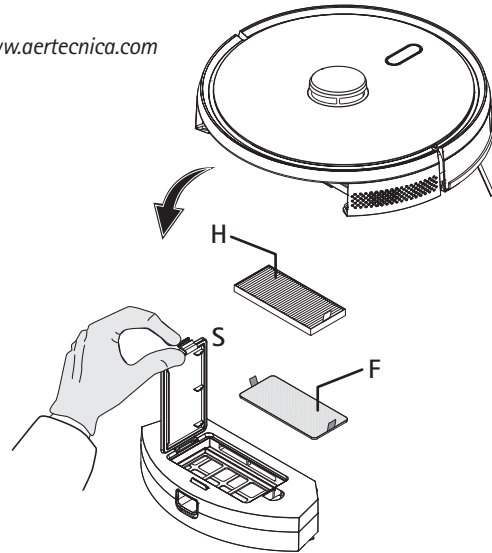
Visit the tutorial area dedicated to TUBÒ ROBÒ on www.aertecnica.com

HEPA FILTER AND SPONGE FILTER

1 - Remove the dust container and open the flap (S) of the filter compartment.

2 - Extract the HEPA filter (H) and the sponge filter (F).

3 - Clean each filter thoroughly by removing dirt residues.



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WARNING

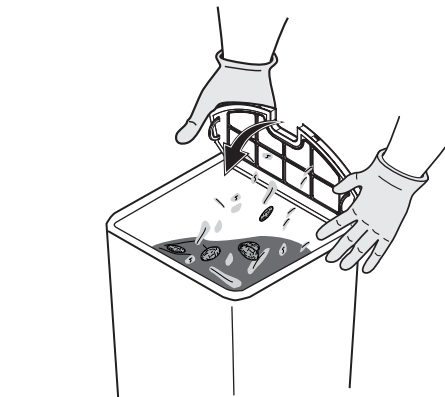
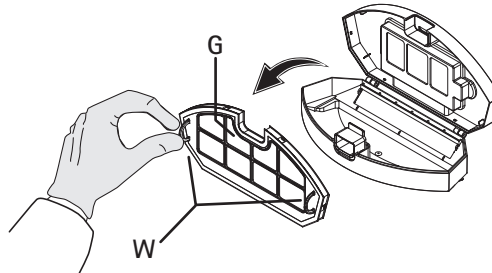
Filters should not be washed


PRIMARY FILTER

1 - Open the dust container, empty it and clean it thoroughly.

2 - Extract the primary filter (G) by pulling the two rings on the side (W).

3 - Clean the filter thoroughly by removing dirt residues.



 Wear personal protective garments before emptying the dust container or cleaning the filters and brushes.

CLEANING / REPLACING THE BRUSHES

Visit the tutorial area dedicated to TUBÒ ROBÒ on www.aertecnica.com

We recommend using the comb (C) supplied with TUBÒ ROBÒ.

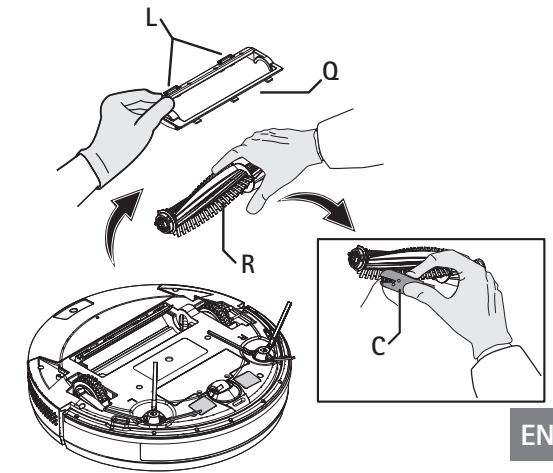
CLEANING THE MAIN BRUSH

1 - Open the cover (Q) using the two levers (L).

2 - Extract the main brush (R) from its housing.

3 - Thoroughly clean the bristles of the brush by removing hair, threads and residues with the comb (C) supplied.

4 - Put the brush back into its housing and close the cover.

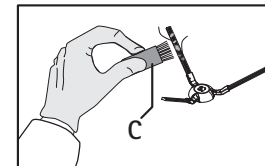


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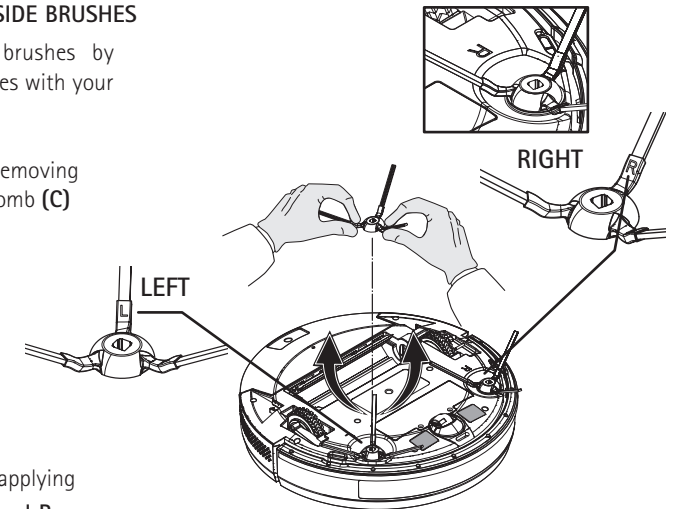
CLEANING THE EDGE-SWEEPING SIDE BRUSHES

1 - Extract the edge-sweeping brushes by simultaneously pulling the side bristles with your hands.

2 - Thoroughly clean the bristles by removing hair, threads and residues with the comb (C) supplied.




3 - Put the brushes back in place by applying pressure and observing the L (Left) and R (Right) positions indicated on the bristle supports.



WARNING

Check the integrity of the brushes and replace them if they are broken.

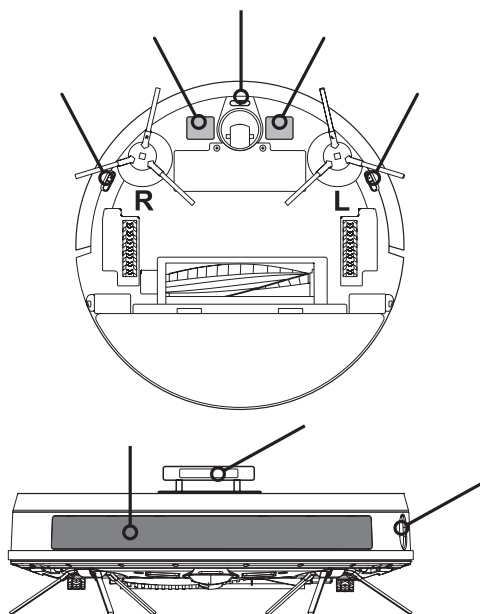
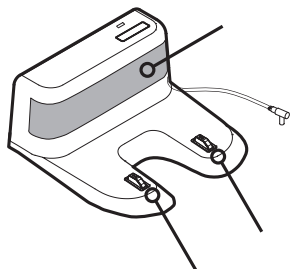
 Wear personal protective garments before emptying the dust container or cleaning the filters and brushes.

CLEANING THE SENSORS

Visit the tutorial area dedicated to TUBÒ ROBÒ on www.aertecnica.com

Use a damp cloth to clean all the sensors and indicated charging contacts on ROBÒ and on the charging dock.

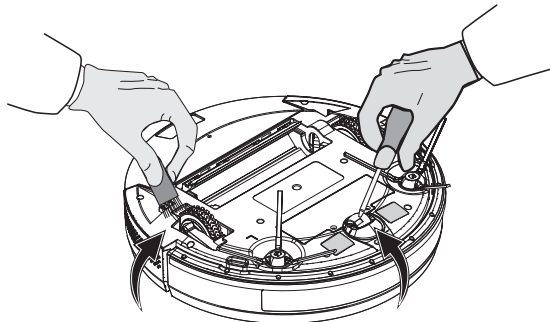
Do not use solvents or chemical products.



CLEANING THE WHEELS

Thoroughly clean the wheels by removing hair, threads and residues using the comb supplied.

Use a screwdriver to extract the front wheel and clean the residues properly, as shown in the picture.



WARNING

Check the integrity of the brushes and replace them if they are broken.



Wear personal protective garments before emptying the dust container or cleaning the filters and brushes.

TANK WITH WATER DISPENSER

Before using the FLOOR WASHING mode, the tank with the water dispenser must be filled with water and then emptied at the end of the washing cycle.

TANK FILLING

1 - Extract the dust container (A) to insert the tank with the water dispenser (B).

2 - Open the cap (T) located on the top side of the tank.

3 - Pour water into the tank using a suitable container (W) and close the cap.

WARNING

The tank with dispenser must be filled with water alone (at 30°C).

INSERTING THE MICRO-FIBRE CLOTH (MOP)

4 - Apply the floor mop provided (P) on the bottom side of the tank (B), making sure that the strips adhere properly to the Velcro fasteners (D).

6 - Insert the tank again all the way down until you hear a CLICK.

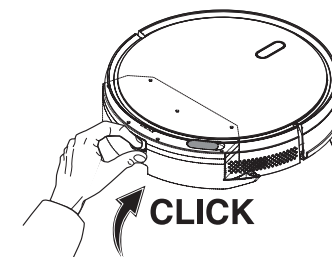
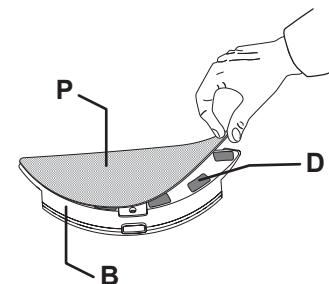
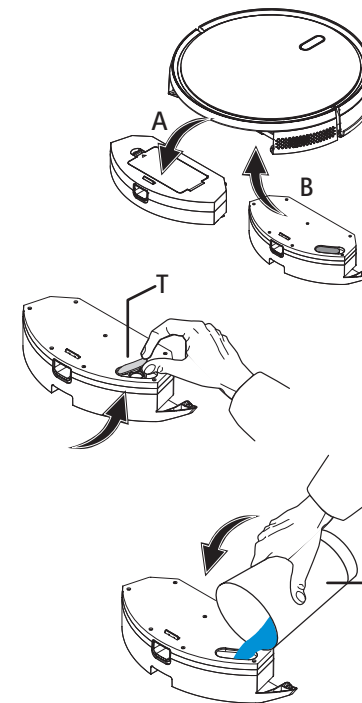
ROBÒ will now be ready to wash the floors.

WARNING

Once the washing cycle terminates, empty the tank of any residual water and wash the micro-fibre cloth.

PLEASE NOTE

With the TUBÒ ROBÒ app it is possible to choose the level of water dispensed to the MOP.



TROUBLESHOOTING

The following table lists a series of inconveniences that may occur when using TUBÒ ROBÒ. If the user cannot solve problem, contact Aertecnica (in Italy only) or the authorised foreign retailer.

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PROBLEM	CAUSE	ACTION
TUBÒ ROBÒ does not clean	Main brush clogged	Check for any obstructions and clean the main brush
	Main brush worn out	Replace the brush
	Edge-sweeping side brushes worn out	Replace the brushes
	Filters very dirty or damaged	Clean the filters or replace them
TUBÒ ROBÒ does not wash the floors	Insufficient water	Check the water in the tank
	Micro-fibre cloth worn out; with a worn cloth, water will not be dispensed evenly resulting in streaks and dripping	Replace the micro-fibre cloth
	Limescale residues inside the floor mop tank	Replace the floor mop tank or remove the limescale
	Other problem	Contact Aertecnica (<i>for Italy only</i>), or the authorised foreign retailer
Abnormal noise in use	Main brush, side brush or wheel may be twined by foreign matters, please shut down the robot and remove foreign matters.	Spegner il robot e pulirli da polvere o detriti
TUBÒ ROBÒ blocks during cleaning	Edge-sweeping side brushes blocked	Check whether any filaments or objects are blocking their rotation
	Main brush blocked	Check whether any filaments or objects are blocking its rotation
	The anti-fall sensor is dirty	Clear the sensor from any dust or debris
	The side sensor is dirty	Clear the sensor from any dust or debris
	The front sensor is dirty	Clear the sensor from any dust or debris
	The front collision guard is jammed	Strike the collision guard repeatedly to remove any debris
	Side wheels blocked	Clear the side wheels from any dust or debris Push the wheels in and out and check that they turn freely
WiFi cannot be connected	WiFi signal is bad,	Ensure is covered by Wi-Fi signal
	WiFi is connected abnormally,	reset Wi-Fi, download the latest aertecnica device app. and try to reconnect it
	Password is inputted incorrectly.	Repeat the process
	The router is available for 5G frequency band, the cleaning robot is available for 2.4G frequency band only	robot is available for 2.4G frequency band only

EN

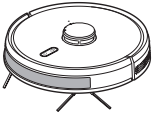









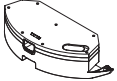









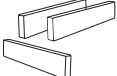



PROBLEM	CAUSE	ACTION
ROBÒ does not return to its base	The charging dock is not powered	Check the power supply connection
	The communication sensor of the charging dock is dirty	Clear the sensor from any dust or debris
	ROBÒ communication sensor dirty	Clear the sensor from any dust or debris
	Other problem	Contact Aertecnica (<i>for Italy only</i>), or the authorised foreign retailer
With ROBÒ on the self-cleaning base for emptying the dust container, the central vacuum unit does not start	Connection problem between the charging dock and self-cleaning base	Verify whether the connector for the central vacuum unit activation consent is properly connected on the self-cleaning base
	Connection problem between the vacuum socket and self-cleaning base	Check that the activation fitting is properly inserted on the vacuum socket
	Connection problem regarding the central vacuum unit activation consent	If there is a wireless system Verify whether the transmitter is correctly inserted on the self-cleaning base: at the start and end of the dust container emptying cycle, the transmitter's LED flashes red If there is a wireless system Check the pairing configuration between the transmitter and receiver
	Other problem	Contact Aertecnica (<i>for Italy only</i>), or the authorised foreign retailer
During the automatic emptying of the dust container, the valve on the base fails to open	Connection problem concerning the activation consent between the charging dock and the base	Check that the charging dock and base are properly connected to one another
	Valve obstructed	Check for any debris on the valve and eliminate it
	Other problem	Contact Aertecnica (<i>for Italy only</i>), or the authorised foreign retailer
When ROBÒ returns to the self-cleaning base, it does not automatically activate emptying of the dust container	The automatic cleaning function of the dust container is disabled	Enable the container's automatic cleaning function (see instructions on page 6)
	The communication sensor of the charging dock is dirty	Clear the sensor from any dust or debris
	Other problem	Contact Aertecnica (<i>for Italy only</i>), or the authorised foreign retailer
Fixed-time cleaning fails	battery level is less than 30%.	charge the battery (see page 7)
TUBÒ ROBÒ entered a forbidden area	positioning error	
	The robot may intrude into the restricted area due to positioning errors, abnormal sensors and other reasons.	try not to move or interfere with the robot during cleaning.
	The permanent restricted area would be lost when the map is rebuilt.	reset forbidden zones

ROBÒ DISPOSAL





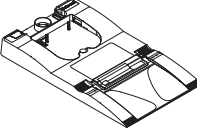

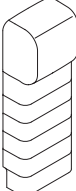



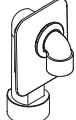





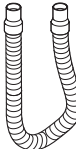

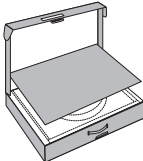

The regulations governing the disposal and demolition of ROBÒ, its components and any polluting materials and substances change in relation to the country of final use.

We recommend contacting the authorised agencies and bodies and observing the applicable regulations.

EN

		WEEE COLLECTION CENTRE
		UNSORTED WASTE
		UNSORTED WASTE
		UNSORTED WASTE
		UNSORTED WASTE
		WEEE COLLECTION CENTRE
		UNSORTED WASTE
		UNSORTED WASTE
		WEEE COLLECTION CENTRE
		WEEE COLLECTION CENTRE
		RECYCLED (PLASTIC POLYSTYRENE)
		RECYCLED (PLASTIC BAGS)

EN

		WEEE COLLECTION CENTRE
		WEEE COLLECTION CENTRE
		WEEE COLLECTION CENTRE
		RECYCLED (PLASTIC)
		WEEE COLLECTION CENTRE
		RECYCLED (PLASTIC)
		WEEE COLLECTION CENTRE
		RECYCLED (PLASTIC)
		RECYCLED (PLASTIC)
		RECYCLED (PAPER)

The descriptions and illustrations may vary. Aertecnica S.p.A. reserves the right to make changes to the product and to the relative technical documentation without prior notice.

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TECHNICAL ASSISTANCE

For any technical problem and to request spare parts, contact Aertecnica (*for Italy only*) or the authorised foreign retailer.

We advise the user to always provide the following details related to TUBÒ ROBO:

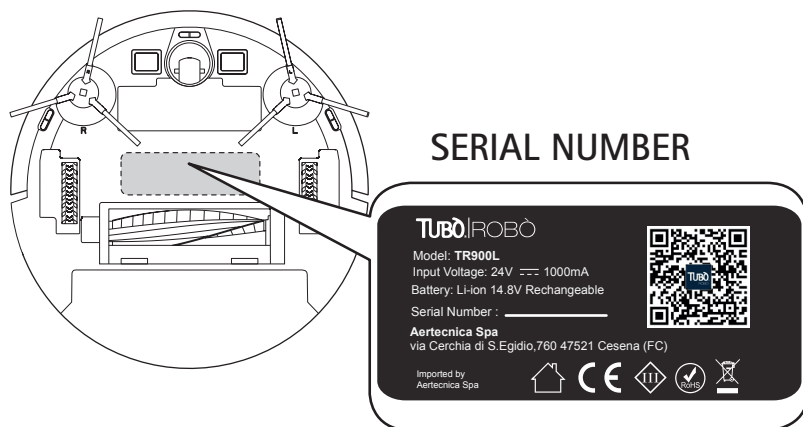
MODEL: TR900L

SERIAL NUMBER OF THE PRODUCT:

indicated on the nameplate affixed to the bottom side of TUBÒ ROBO.

DATE OF PURCHASE:

including detailed information on the issues encountered.



EC DECLARATION OF CONFORMITY

The manufacturer, AERTECNICA S.p.A., with registered office in Via Cerchia di Sant'Egidio 760, 47521 Cesena (FC) - ITALY

WITH REFERENCE TO:

LASER ROBO - vacuum cleaner and floor mop with charging base for central vacuum unit

SERIES: TUBÒ ROBO

MODELS: TR900L / KTR900LA

HEREBY DECLARES THAT

the models indicated in the state in which they were placed on the market, with the exception of added components and/or operations carried out subsequently by the end user

CONFORM

To Directive 2014/30/EU (Electromagnetic Compatibility Directive) and subsequent amendments and additions.

To Directive 2014/35/EU (Low-Voltage Directive) and subsequent amendments and additions.

To Directive 2011/65/EU (RoHS Directive) and subsequent amendments and additions

To Directive 2002/96/EC (WEE Directive) and subsequent amendments and additions

To Directive 1907/2006/EC (REACH Directive) and subsequent amendments and additions

To Directive 2014/53/EU (RED Directive) and subsequent amendments and additions

Frequency range (MHz)	Max. Transmit Power (dBm)
2412-2472MHz	≤18dBm

APPLIED HARMONISED STANDARDS:

IEC 60335-2-2:2009, AMD1:2012, AMD2:2016 in according with IEC 60335-1:2010, COR1:2010, COR2:2010, IEC 60825

AMD1:2013, COR1:2014

EN 60335-2-2:2010+A11:2012+A1:2013 in according with EN 60335-1:2012+A11:2014+A13:2017

ETSI EN 301 489-1 V2.1.1 (2017-02)

ETSI EN 301 489-17 V3.1.1 (2017-02)

EN 55014-1:2017

EN 55014-2:2015

EN 61000-3-2:2014

EN 61000-3-3:2013

ETSI EN 300 328 V2.1.1 (2016-11)

Cesena, 22/09/2020



The Declarant

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