TT-RB

SUPPLEMENTARY OPERATING INSTRUCTIONS ROBOT V 1.3

Version 10.01.2024

TOSSTEC GmbH
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FOREWORD

These supplementary operating instructions are only valid in conjunction with the operating instructions for the basic appliance. Please read both instructions carefully.

If you have any questions or problems, your specialist dealer or the TOSSTEC team will be happy to help you.

We hope you enjoy using your new cleaning appliance.

Your TOSSTEC-TEAM

TOSSTEC GmbH
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A. Safety instructions:

Your TOSSTEC device has been manufactured in accordance with the strictest standards. To use your device in complete safety, you should observe the following instructions:

Please read these instructions carefully before using your TOSSTEC appliance. It contains important information on the connection, use, safety and maintenance of your appliance.

If the device is damaged (e.g. due to transportation damage), it must not be put into operation. If in doubt, ask your specialist dealer or the TOSSTEC team.

Your cleaning appliance may only be operated under water!

The electronics box may only be connected to an earthed 100-260V socket outlet with earthing contact, which is additionally protected by a residual current device (RCD) with a rated residual current of max. 30 mA.

The electronics box must be at least 3 meters away from water. It must not be located in a place that can be flooded. The electronics box and the remote control must never be exposed to moisture or extreme temperature fluctuations. It must not be placed in direct sunlight.

The electronics box must not be opened. Any warranty is excluded in the event of water damage to the electronics!

No persons are allowed in the water while the robot is in the water!

B. Important information about the device

The robot has been designed and developed for regular maintenance cleaning throughout the year.

The robot is only suitable for cleaning geometric pools with a flat floor and vertical walls.

The robot is not suitable for naturally shaped pools and pools with uneven surfaces such as foil folds etc.

Spring cleaning should either be carried out by your pool builder or manually using our cleaning system. Once the first manual basic cleaning has been carried out, the robot can be used without any problems.

Only use the appliance for underwater cleaning (minimum water depth 30 cm).

Never leave the appliance in one place for long periods of time to avoid damaging the surfaces to be cleaned.

Never attempt to switch on the appliance outside of the water. For your safety, the appliance has an integrated water detector which prevents it from being switched on outside the water. In the event of a malfunction, please contact the TOSSTEC team immediately.

Never pull the cable of the cleaning appliance over sharp edges and do not pinch it anywhere.

Do not leave the appliance in water for several days when it is not in use.

Store the device and the electronics box in a dry and frost-protected place.

Do not leave the appliances in the blazing sun unnecessarily.

Please only ever take the device out of the water by the handle. The remote control must not be subjected to hard impacts.

Only use original spare parts.

Repair work on the device by you is not permitted, as this will immediately invalidate the warranty.

We accept no liability for the consequences of improper handling, commissioning or incorrect electrical installation!

C. Additional information for the user

These operating instructions reflect the current state of development of the software.

With the current software version, fully automatic pool cleaning is possible for most geometric pool shapes with vertical walls.

If fully automatic pool cleaning is not possible for you, we will have informed you of this before your purchase.

In the further course of development, the fully automatic cleaning of more complicated pool shapes and other special cases will be further improved.

The software updates for your robot are free of charge until further notice.

Software updates can be carried out with our free TOSSTEC app.

You can download the app directly from the App Store or Google Play.

D. Miscellaneous

1. Introduction

This TOSSTEC cleaning device has been developed for the thorough cleaning of underwater, smooth surfaces of various materials, such as PVC, EPDM (thicker than 1.15 mm), FPO films, stainless steel and polished natural stone.

Cleaning roughly hewn natural stone walls and natural stone blocks is not possible and will invalidate the guarantee.

The appliance is operated with 30 volts safety extra-low voltage.

2. Unpacking

The appliance is supplied ready for use.

If you have purchased the base unit and chassis separately, prepare the hand-guided base unit as described in its operating instructions.

By simply adapting the robot chassis to the base unit, your TOSSTEC robot is immediately ready for use.

If the robot is already fully assembled, you can skip this step.

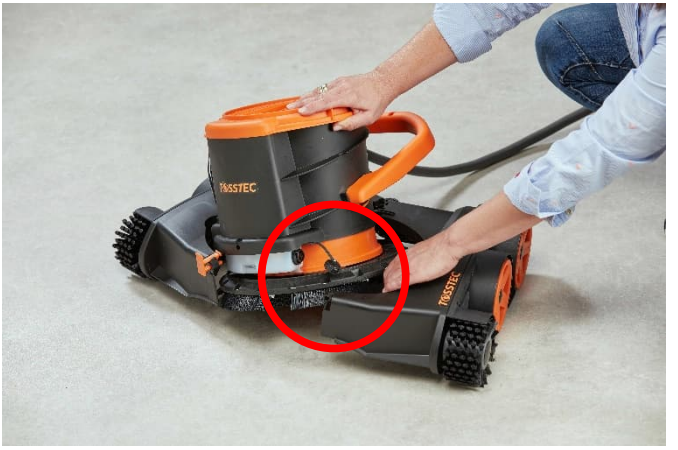
3. Commissioning

Mounting the robot chassis to the base unit:

Open the undercarriage by pressing lightly on the orange latch outwards.

The chassis can now be unfolded.

Now place the base unit between the trolley halves so that there is still enough space on the left-hand side for mounting the electrical connection of the chassis.



If a sealing cap is fitted, please remove it. Now plug the connector of the chassis into the socket of the base unit and tighten the black union nut only slightly.

The plug is marked with a white arrow. This must point upwards.

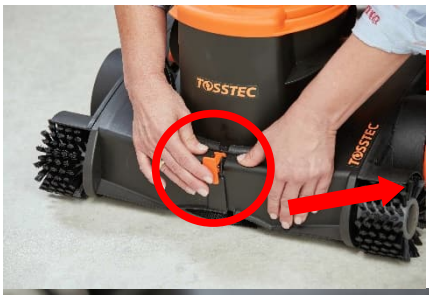
ATTENTION DISASSEMBLY!

Only turn the black union nut counter-clockwise. If the union nut is too tight or too slippery due to wetness, try carefully turning the raised parts of the union nut with your fingernail or a screwdriver.

Never use pliers or other tools to loosen the plug. There is a risk of damaging the permanently installed plug socket, which can cause a leak. This would lead to a total loss due to water ingress. This would not be a warranty or guarantee case.

Before closing the chassis halves, place the stainless steel pin on the back of the base unit in the abutment of the chassis.

Now close the undercarriage halves and make sure that the steel pin at the rear does not slip out during this process.



Press the chassis halves together and slightly downwards at the same time. In this position, the locking mechanism meets the hole in the base unit and is properly locked.

Check the correct assembly by lifting the base unit by the handle and checking that the pin bearing has been fitted correctly at the front and rear.

The robot can now be put into operation.

If the RESET button flashes after starting the automatic system, first check the chassis assembly again,

You can find an installation video on our homepage at www.tosstec.com/videos

Attention, before you start:

Before each use, please check that the protective felt on the orange suction plate is intact. The appliance must not be used without the protective felt or if the protective felt is defective (e.g. worn through in the middle)!

Protective felt intake plate is

Protective felt intake plate is defective and must be replaced!

First manual check drive:
Lift the robot into the water by the handle.

By tilting the robot (slightly backwards, you are looking at the underside with the brushes), a quick de-aeration takes place and the robot goes under.

Once on the ground, the rear wheels are usually on the ground and the front brushes are slightly raised. This is perfectly normal.

By pressing the start/stop button on the remote control, the main motor of the base unit is switched on and the robot vacuums itself to the floor.

This process takes approx. 3-4 seconds. Only then does the robot respond to further commands that you enter via the remote control or the app.

The robot is now in standby mode.

If no further command is given within 30 seconds, the robot switches off completely.

Please note!

Always make sure that the robot is in standby mode, i.e. the filter disk and disk brush are rotating or completely switched off. Always wait 3-4 seconds from "completely off" to standby mode. Impatiently pressing Start/Stop is not a solution!

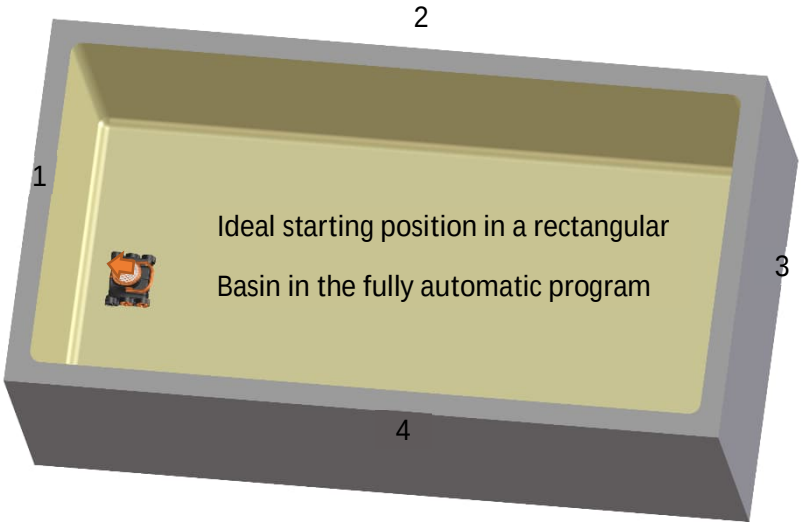
If the robot is in standby mode, a manual drive/control command can be sent by pressing one of the direction buttons forwards, backwards, right, left.

The cleaning logic and sensor technology:

Unlike other robots, the TOSSTEC robot does not clean at random, but cleans lane by lane and individual surfaces, whether wall or floor, always in one go.

Lane-by-lane cleaning is always carried out forwards (or upwards) and to the right. This means that if the robot is to clean a single area (not fully automatic!), it must always be placed in the bottom left corner or moved there by remote control.

In the fully automatic cleaning program, the ideal starting direction is towards the first short wall. The robot then searches for the corner on the wall or floor itself and the floor is always cleaned parallel to the short wall. This improves the cleaning result as small deviations in straight-ahead travel cause fewer errors.



Please also note that with additional programming (e.g. wall length) the robot must always be started at the same starting position, as such settings are saved to the corresponding number walls.

The extensive sensor system supports precise lane-by-lane cleaning. The robot has a front sensor that detects surface interruptions. If, for example, a wall ends under water, the front sensor recognizes this and reverses the direction of travel.

The same also applies on the floor, with so-called plateaus (two areas of the pool of different depths). Here too, the robot will turn around instead of simply falling off.

Attention: Please refer to the personalized starting and setting instructions to determine whether the front sensor is activated or not. (Plateau: Yes / No)

To (de)activate the plateau function, simply use the TOSSTEC app or press the Prog, Minus and Limit buttons in succession and hold down all three buttons for 2.5 seconds until you hear a beep. *(Short beep = switched on, long beep = switched off)*

If the robot detects a plateau, it automatically moves to the lower floor level and cleans it automatically.

The drive motors react sensitively to obstacles. Protruding obstacles larger than 30 mm (e.g. spotlights, counter-current systems, etc.) are recognized as obstacles and are not driven over. It is therefore possible that areas above or below or in front of or behind the obstacle will not be cleaned by the robot. These areas must be cleaned either by remote control or manually.

Wall cleaning:

The wall is cleaned in a parallel, vertical movement from left to right. If the robot hits an obstacle once horizontally at the top and immediately afterwards horizontally at the bottom, the wall is considered completely cleaned.

The reverse travel back up to the water surface can be increased by pressing the minus button (backwards) or decreased again by pressing the plus button (forwards).

Only in the area cleaning program is a so-called edge cleaning run performed to clean areas that may have been left out during the 90-degree turns. This means that the robot moves horizontally along the wall from right to left as close to the floor as possible up to the left wall (or obstacle). Then vertically upwards to the water line or end of the wall and then horizontally from left to right as high as possible to the right-hand wall. Then vertically downwards again. The wall is then automatically lowered to the floor. The surface cleaning program is completed when the robot has made a 360 degree left turn on the floor to cancel out the cable twist caused by the edge cleaning run.

Floor cleaning:

Floor cleaning is also carried out in parallel from left to right. To increase precision, it is advisable to align the robot towards the short side of the pool in the surface cleaning program and then start the fully automatic surface cleaning program. The robot attempts to realign itself perpendicular to the walls after each turn, depending on various parameters.

This precision can suffer considerably due to disturbances such as film folds. In such cases, please check whether a different start direction leads to better results.

Tip:

It is also possible during the automatic cleaning program to correct the straight-ahead movement on the floor by pressing the left or right button several times and thus correct any errors immediately without having to interrupt the automatic program.

4. Function rectangular pool

For rectangular pools, the robot may align itself backwards on both sides of the wall to increase precision.

Activation of reverse travel on both sides:

Start the fully automatic program without wall cleaning. Wait until the robot has finished searching for corners and is in the floor-only cleaning mode. The robot moves against a wall, makes a 90 degree turn, moves sideways a little and makes another 90 degree turn. It then moves backwards a little towards the wall. Press the minus button once briefly during this short reverse movement. Repeat this process directly when reversing on the other side of the wall.

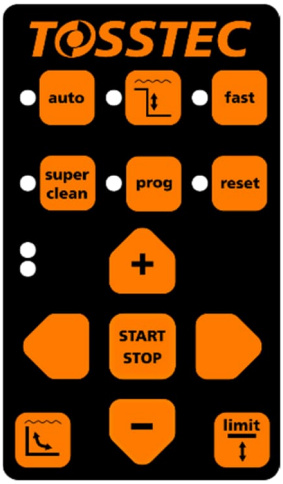
Reverse travel on both sides is now saved.

To cancel reverse travel on both sides, proceed in exactly the same way but press the Plus button during reverse travel.

Please refer to the personalized start and setting instructions to find out whether the function is activated or not. (Rectangular pool: Yes / No)

5. The remote control:

The remote control can be used to control all functions of the robot or hand-held device.



Please note that the "prog" and "reset" buttons are not displayed in the app.

Explanation of the functions of the individual buttons:

Automatic button

Two different programs can be called up. One is the fully automatic program (LED lights up green constantly) or surface cleaning.

Fully automatic program

Place the robot in the water. In fully automatic mode, depending on the preselection, the walls are cleaned first and then the floor. When the auto button is pressed, it lights up constantly in green. The wall cleaning button is deactivated by default (LED is off) and the fast button is activated by default (LED lights up). Change the preselection if necessary. After confirming the selected program by pressing the START/STOP button, the robot starts its cleaning program.

Tip:

The best starting position is when the robot moves towards the first short wall. It then searches for the corner on the floor or the first wall independently and then starts cleaning.

Surface cleaning program on the floor

The robot is on the floor. Press the auto button twice (LED flashes quickly) and then confirm by pressing the START/STOP button to start the surface cleaning program.

Parts list TT-SR, TT-BS and TT-BS Plus

Remote control TT-SR /TT-BS

(5 orange buttons)

Remote control TT-BS Plus /TT-RB

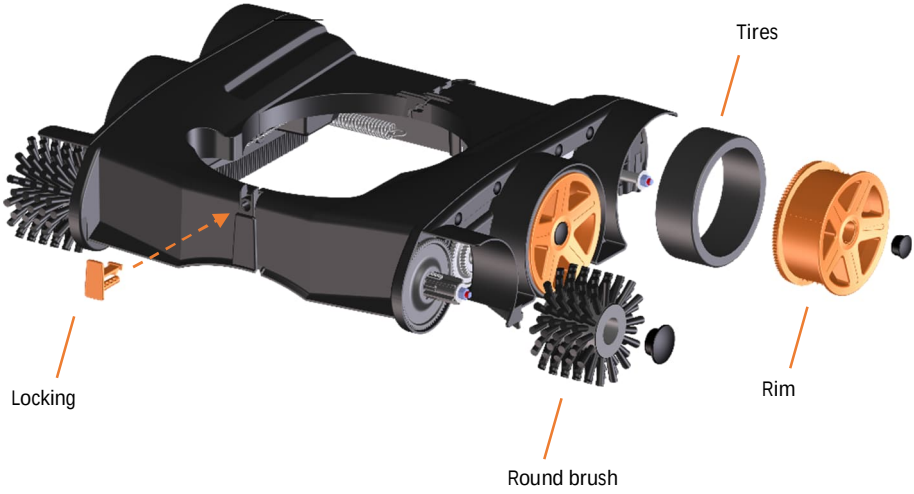
(13 orange buttons)

Powersupply

Parts list TT-SR, TT-BS and TT-BS Plus


Spiral housing
Base body
Gear wheel (6x)
Gearbox cover
Suction plate
Brush Suction plate
Brush base body (15x)

Parts list TT-RB chassis



Surface cleaning program on the wall

The robot is positioned on the wall or sloping surfaces.
Press the auto button once (LED flashes quickly) and then confirm by pressing the START/STOP button to start the surface cleaning program.

In contrast to the fully automatic program, there is no corner search. The robot therefore starts cleaning exactly where it is standing and then cleans the area forwards/upwards and to the right.

The surface cleaning program is very suitable for cleaning partial areas on walls or floors.

While the robot is in automatic program mode, the green LED on the auto button flashes slowly. When this goes out, the automatic program is finished and the robot can be removed from the water and stowed away after cleaning all parts.

Wall cleaning button Yes/No

This is a preselection button to determine whether or not the walls should also be cleaned during the fully automatic cleaning program. If the green LED lights up, the walls are also cleaned. The wall cleaning function is deactivated as standard and must always be selected again before starting.

Quick cleaning mode

This is a preselection button. If the green LED lights up, the floor surface is cleaned exactly once. If the fast LED is deactivated, only the floor surface is cleaned crosswise a total of three times. Super Clean is automatically activated on the third pass.

Deactivation is recommended (LED off) if the floor has become slippery again after a longer cleaning break (e.g. vacation) and the normal floor cleaning program leaves too many uncleaned areas.

Super Clean cleaning mode

This function can also be switched on and off during operation. It is also used to filter particles that are so small that they would pass through the internal filter. This function can only be used in very clean pools, as otherwise the filter effect may be worse than in standard operation.

The filter is only cleaned when stationary after turning against the wall or after a maximum travel distance of 8 m. The robot stands still for 8 seconds and the SuperClean LED flashes while the filter disk is being cleaned.

Program button

Programming button.

Teaching in the remote control:

Only necessary if the Bluetooth connection has been lost and the blue LED is permanently lit instead of flashing.

Press and hold the Prog and Plus buttons in this order but then simultaneously for 2.5 seconds and release them after a quiet signal tone to start learning the remote control into the power supply unit. Switch on the power supply unit shortly before or shortly after, as the power supply unit only accepts a new Bluetooth connection within the first 30 seconds after switching on.

Programming the number of walls:
(min. 1 to max. 10):

Press the Prog and wall cleaning button in sequence but then simultaneously for 2.5 seconds to start programming the number of walls that the robot should clean. By default, 4 walls are cleaned. Both LEDs flash green synchronously. Please press the wall cleaning button as many times as the number of walls to be cleaned. Save your entry by pressing the Prog button.

Attention!

This deletes all previously programmed settings relating to wall lengths and wall heights.

Reset button

The reset button is used in combination with other buttons to delete and reprogram parameters.

However, it is mainly (if it flashes) an indication of an intake disk brush that is too short (<14 mm) or an incorrectly mounted chassis.

(see Chassis assembly, page 10-12)

Plus button

In hand-guided operation, this increases the speed of the disk brush or the pump capacity.

A forward movement is initiated in robot mode. If the robot is in standby mode (disk brush is rotating and the robot has sucked itself onto the floor/wall), forward travel is initiated immediately by pressing the Plus button.

If the robot is completely switched off, the Plus button first sets the robot to standby mode and then, after a delay of approx. 3-4 seconds, forward travel begins automatically.

Left button

If the robot is in standby mode, pressing the button once causes a small left-hand rotation on the spot. Pressing and holding the button causes the robot to turn continuously to the left until the button is released.

If the robot is moving forwards or backwards, a short press of the button causes it to deflect to the left.

A long press of the button interrupts the respective movement and the robot turns to the left on the spot. After releasing the button, the rotation is stopped and the robot continues in the interrupted direction of travel.

Tip: The left and right buttons can also be used during the two automatic programs to correct any driving errors. In this case, each individual button press causes a slight correction in the corresponding direction.

Start-Stop button

Regardless of whether it is a hand-held appliance or a robot, the appliance is switched on and off with the start-stop button.

If the robot is in motion (surface cleaning program, forward/backward movement, calibration movement, etc.), pressing the button once immediately interrupts this state and it is in standby mode. Pressing the button again switches the robot off completely.

Right button

See left button.

Wall up or wall down button

As the robot sucks itself onto the floor or wall with great force, it is not possible to force a wall ascent or descent by simply moving forward.

Move the robot approx. 50 cm vertically in front of a wall.

The robot must be in standby mode. Press this button to start the fully automatic wall ascent. Once the floor-wall transition has been completed, the robot is back in standby mode and can either be controlled manually or the automatic surface cleaning program can be started with the automatic button (auto) and subsequent confirmation with the START/STOP button.

In rare cases, the floor-wall transition may not work.
In this case, move the robot manually back and forth several times on the floor at the point where the wall access is to be made, so that the floor is already pre-cleaned at this point.

If the robot is on the wall and in standby mode, pressing a button automatically aligns it vertically towards the floor. It then moves to the floor and makes the wall-floor transition fully automatically and is then back in standby mode.

 Minus button

See Plus button.

In robot mode = reverse travel.

Limit button

The limit button limits the robot's path like a virtual obstacle.

Limits can be set for wall heights, wall lengths and on the floor.

Wall height:

During wall cleaning, the height of the wall cleaning can be limited when the robot is raised.

If the robot is in the surface cleaning program, the wall height is not saved. In the fully automatic program, a separate wall height can be set and saved for each programmed wall.

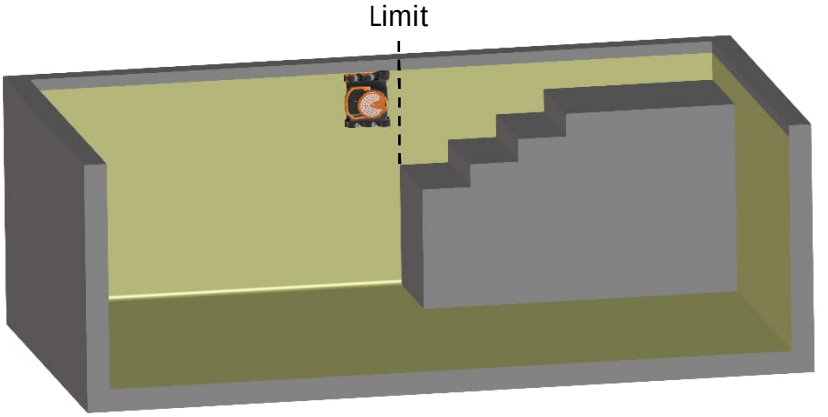
Incorrectly set wall heights can be deleted by pressing the limit button for longer than 2.5 seconds.

Reprogramming the number of walls deletes all saved wall heights.

Wall length:

The wall length can be set separately for each individual wall and only works in the fully automatic program.

The limit button must be pressed during the horizontal offset movement. The robot will then immediately turn downwards.



Quadrant cleaning:

Limitations are also possible for floor cleaning. In the area cleaning program, individual areas of the floor can be cleaned automatically.

If the robot reaches the point where you want to set a limit during surface cleaning, press the Limit button. The robot will now save this virtual obstacle and will no longer drive over it. A limit can be saved for both directions.

6. Remove the device from the water

Do not leave the device in water after cleaning. The dirt collected in the dirt container will start to rot within a few hours. If you then switch the robot on again the next time, this putrid water will be blown into your pool.

Please only ever take the device out of the water in the middle of the handle.

To prevent the brushes from bending, always store the cleaning appliance without the trolley upside down or suspended from the handle after cleaning is complete. This allows the wet and therefore soft brushes to dry without becoming deformed. This ensures a long service life for the brushes.

When the chassis is mounted, the robot can be stored upright on its wheels without any problems, as the brushes do not touch the floor.

7. Cleaning and maintenance

Spray the appliance thoroughly with drinking water after each use to prevent dirt from drying on it.

Dried algae and dirt can severely impair the function of the appliance.

Depending on the nature of the surfaces to be cleaned, the brushes may wear out (natural stone/concrete/etc.).

To prevent damage to the brush unit and the surface, you must replace the brushes in good time if they show signs of wear.

If the brush of the orange suction disk is worn out, wall cleaning is no longer possible and the floor is no longer brushed, only loose dirt is sucked in.

The brush of the orange intake disk is 17 mm long when new.

The absolute wear limit of the brush of the orange intake disk is 12-14 mm!

During operation, you can recognize a worn brush when the robot no longer sucks itself up completely against the wall and you can see under the robot or when the RESET button flashes after the first automatic start.

Check the gear wheels of the brush unit regularly and remove any foreign objects.

In aggressive environments such as chlorinated and salt water, all parts, especially the filter discs, must be thoroughly rinsed with drinking water after each use.

Please also check the protective felt on the suction plate before each use. The appliance must not be used without a protective felt or with a worn protective felt.

Protective felt intact

Protective felt defective, must be replaced

8. Error messages

Error messages and their meaning:

The RESET button flashes at the start of cleaning:
The chassis is not mounted correctly OR the intake disk brush is worn (< 12-14 mm)

Errors are indicated by intermittent flashing of the red indicator light on the remote control.

2 x flashes = the filter is blocked

Empty the dirt container and clean the filter disk. Check whether the teeth on the sprocket are in order. A little Vaseline on the top of the edge of the filter disk and a filter cover that is not completely closed may help.

3 x flashes = the device is not in the water

Switch the machine off, place it in water and switch it on again.

4 x flashes = the device is upside down

Turn the appliance over again. Only use normal working positions. Otherwise the appliance will switch off for safety reasons.

Flashing 5 times = the motor is blocked / undervoltage

Switch the appliance off and check all moving parts for foreign objects and ease of movement. Ensure that the appliance is not pressed firmly against the floor when it is switched on and switch the appliance back on again.

6 x flashes = general robot error.

Consequential error in the event of a position change that is not software-controlled, e.g. falling off the plateau or falling off the wall. Switch the power supply unit off and on again.

Restart the robot and check whether the RESET button is flashing. If so, please check the suction disk brush and the chassis assembly.

9. Software update & app

Software updates can be conveniently obtained via the free TOSSTEC app.

This can be downloaded from the App Store (iOS: Apple iPhone, iPad) and Google Play (Android: Samsung, Xiaomi etc.).

The software is stored in the robot. Therefore, please connect the robot to the power supply unit for the update.

Follow the instructions in the APP to carry out the update.

All the settings described, which can be made via the remote control, can be set or changed via the app under the "Configuration" menu item.

Generally, no settings are lost during an update.

10. Declaration of conformity

The device has been designed and manufactured in accordance with the following standards:

In accordance with the Electromagnetic Compatibility Directive (EMC): 2014/30/EU and the standards:

EN 55014-1: 2000 + A1: 2001 + A2: 2002

EN 50014-2: 1997 + A1: 2002

EN 61000-3-2: 2000 + A2: 2005

EN 61000-3-3: 1995 + A1: 2001 + A2: 2005

In accordance with the Low Voltage Directive: 2006/95/EC and the standards:

EN60335-1: 2002 + A1: 2004 + A2: 2006 + A11: 2004 + A12: 2006

EN 60335-2-41: 2003 + A1: 2004

In accordance with the Machinery Directive: 2006/42/EC

The appliance complies with all these standards.

The product was tested under normal operating conditions.

11. General specifications

Supply voltage power supply unit: 100-264 VAC

Supply voltage cleaning device:

30 V safety extra-low voltage DC

Power: max. 320 W

Cable length depending on device 9m, 13m, 18m or special cable length.

The manufacturer reserves the right to change these specifications at any time without prior notice.

Although the TOSSTEC cleaning device has been tested in many different swimming ponds/natural pools and pool shapes, TOSSTEC GmbH cannot vouch for the perfect suitability of the cleaning device for a specific swimming pool.

12. Warranty/Service/Repair

These warranty conditions comply with the German legislation in force on the date of printing

Conditions:

We guarantee that the complete material is technically flawless and has no material or manufacturing defects, that it corresponds to the technical developments and the state of the art at the time of its marketing.

Changes made to our products at a later date (improvements or changes that are part of the technical progress of the product) will not result in any intervention on our part. Our warranty is limited to the repair or replacement of the device if a conformity defect is recognized. The choice of solution will be made by us, whereby a claim under the guarantee may not exceed the direct damage incurred and may not entail unreasonably high costs for the seller or manufacturer. The guarantee is void by law if the appliance has been tampered with by a third party not belonging to our workshop or by a repair specialist not authorized by us, or if such work has been carried out without our written consent. The warranty is also invalidated by law in the event of use that deviates from the user manual supplied with the appliance at the time of purchase. Any legal guarantee as described in Article 1641 of the Civil Code shall apply. Legal texts that appear after the issue of this warranty and whose content is made public shall automatically apply, even if they differ from the present text.

The following is excluded from the warranty:

Normal wear and tear of wearing parts such as filter disks and brushes.

Electrical damage caused by lightning or improper electrical connection.

Breakage due to impact or improper use (housing, accessories and cables included)

The repair or replacement of parts carried out under warranty cannot postpone or extend the warranty period of the device.

Duration of the guarantee:

The warranty period is limited to two years (or 300 operating hours) from the date of invoicing to the first user and can be extended by 1 year to a total of 3 years (or 400 hours) by registering at www.tosstec.com.

Subject of the guarantee:

During the warranty period specified above, any part recognized by TOSSTEC as defective will be repaired or replaced with a new part or part in good working order. Subject to the provisions of German public legislation, which may come into force after the issue of this warranty, the user shall bear the travel and labor costs.

In the event of a return to the workshop, the user shall bear the transportation costs; the manufacturer shall bear the labor costs.

The downtime and loss of use of an appliance during a repair does not give rise to any right to compensation. In any case, the seller's legal warranty remains valid in accordance with Article 4 of Decree No. 78-464 of March 24, 1978.

Transport damage:

The devices always travel at the user's risk. It is therefore the responsibility of the user to check that the appliance is in good condition on receipt. We are not liable for transport damage.

WARNING:

Warning for the use of TOSSTEC cleaner in a swimming pool with different coatings and soft, elastic surfaces.

The surfaces of certain coatings (including patterned ones) can wear quickly. The patterns disappear through contact with objects such as cleaning brushes, toys, swimming aids and automatic pool cleaners. The patterns of certain coatings can be scratched by simple rubbing, such as with a pool brush. The color of certain patterns may also disappear during installation or upon contact with objects in the pool. TOSSTEC GmbH is not liable for the disappearance of patterns or the scratching of any surfaces if the brushes are worn, the protective felt on the suction plate is missing or worn or the surface is lifted from the substrate due to excessive elasticity caused by the high suction force of the device. These phenomena are therefore not covered by the limited warranty.

Tip:

On our homepage https://www.tosstec.com you will find numerous videos, a comprehensive FAQ and a diagnostic tool for easy troubleshooting.

Plus many other valuable tips for cleaning your natural pool.