

Dear Customer,
Thank you for your confidence in choosing the CYBERNAUT NT from ZODIAC.

This product has been designed, manufactured and tested with the utmost care in order to provide you with complete satisfaction. We recommend you read these instructions carefully, before using your CYBERNAUT NT. They contain all the information you need in order to benefit fully from your CYBERNAUT NT, in complete safety. Please contact your retailer, a swimming pool professional, For any further information. He will advise you on the usage and maintenance of your robot. He can also supply you with spare parts and is qualified to provide you with after sales service.

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1 / SAFETY

Important

Your CYBERNAUT NT™ has been manufactured in conformity with the most rigorous standards.

To get maximum benefit from your appliance in order to ensure complete safety, always follow the guidelines below:

- > Only connect the control box to an electrical socket protected by Residual Current Device with a maximum rating of 30 mA.
- > Ensure the electrical socket is easily accessible at all times.
- > Position the control box at least 3.5 metres from the edge of the pool and do not expose it to direct sunlight.
- > Never let anyone swim or enter the water while the robot is in the pool. If the trolley should accidentally fall into the water, it is vital to unplug it from the electricity supply before recovering it.
- > To avoid the risk of an electrical shock, never open the electronic control box. Call in a qualified technician.
- > **Do not operate the robot when it is out of the water.**
- > Never attempt to repair the mains electricity cable. Contact the After-Sales Service to get a manufacturer's original replacement to avoid any danger.
- > Do not use the appliance if the temperature of the pool water is above 35°C.
- > Disconnect the mains cable before doing any cleaning, maintenance or servicing work and after each use.
- > Your robot is fitted with a motor protection system in case of blockage. A message appears on the screen EE01 or EE02 or... EE06.
 - If the messages EE04 to EE06 appear on the screen: Disconnect the power cable. Ensure there is nothing blocking the movement of the rotor or foam pads. Reconnect the power cable and restart a cleaning cycle.
 - If the messages EE01 to EE03 appear on the screen, the problem is of a more serious nature and your Swimming Pool Retailer should be contacted.

Microprocessor

Operation of the CYBERNAUT NT™ is controlled by a microprocessor to ensure optimum cleaning in most pool configurations (maximum 15m x 7m).

-Poolside system:

In the event of the Cybernaut NT™ leaving the water and operating on the poolside surface, the microprocessor will detect an absence of water, which will activate the poolside system. This means the robot will reverse and attempt to return to the water to continue cleaning.

-Out-of-water security system:

If the Cybernaut NT™ does not succeed in returning to the water, or if the robot is started out of the water, the microprocessor will automatically shut off the robot's power supply after approximately 20 seconds. This is to avoid damage to the electrical components of the unit.



PRODUCT WASTE DISPOSAL - PROTECTION OF THE ENVIRONMENT

In accordance with the provisions of the Waste Electrical and Electronic Equipment (WEEE - 2002/96/EC) Directive, used electric and electronic products must be destroyed separately from normal household waste in order both to promote re-use, recycling and other forms of recovery and to reduce the quantity of waste to be destroyed and hence the disposal operations. **When you dispose of this product, comply with the local waste disposal instructions. Do not throw it away in the middle of nowhere: take it to a waste collection centre that specialises in used electrical and electronic products and/or consult your dealer when buying a new product.**

2 / UNPACKING

Important

Ensure that the unit has not been damaged in transit (impact, broken parts, etc.). Please report any damage, however minor, to your retailer immediately, before using your CYBERNAUT NT™.

The box should contain the following items:

- > a CYBERNAUT NT™ robot,
- > a transport trolley including the control box,
- > a certificate of guarantee,
- > simplified notice to be affixed to the inside of the control box cover

Assembling the transport trolley:

Before removing the appliance from its box

- Pull the upper section of the trolley containing the control unit out of the box,
- Remove the robot from the box being careful not to let the cable get tangled in the trolley,
- Remove the lower section of the trolley,



Diagram 1

Diagram 2

- Loosen the "lock-wheels" completely and remove the screw from the axle-pin,
- Fit the upper section of the trolley into the lower section so that the control unit's keyboard is facing the front of the trolley **Diagram 1.**
- Fix the screws in place to hold the 2 sections of the trolley together. Be sure to position a plastic washer on both sides of these screws. Tighten the "lock-wheels" as far as they will go (the "lock-wheels" must face the back of the trolley).
- Make sure the cable securing hooks are facing backwards **Diagram 2.**

3/INSTALLATION

Important

For your own safety and for the CYBERNAUT NT™ to work effectively, place the control box at least **3.5 metres** from the edge of the pool and where it will not be exposed to direct sunlight.

To ensure the robot runs at maximum efficiency, position the trolley in the centre of the longest side of the pool.

Electrical connection

Connect the robot power cable to the control box and lock the connector in place beneath the control box ; Only connect the control box to an electrical socket protected by Residual Current Device with a maximum rating of 30 mA (if in doubt, contact a qualified electrician).

4/IMMERSING THE ROBOT

Important

Under no circumstances should anyone be allowed to swim when the CYBERNAUT NT™ is in the pool.

Stage 1 : Submerge the robot in the water and evacuate any air that it may contain by turning it over.

Stage 2 : Squeeze the foam pads with your hands to release the air and to allow water in. It is essential that the appliance sinks to the bottom of the pool and remains there without aid.

Stage 3 : Lay out the cable on the pool leaving the float closest to the control unit on the pool's edging.

Recommendation: To make it easier for water to penetrate the foam pads when they are new, run your appliance in "bottom only" mode for the first six hours (see paragraph "Start-up – Operation").

5/START-UP - OPERATION

When first switched on, the robot is in standby mode and the display panel will remain unlit. The robot is waiting to be programmed or to start.

Prior to using the unit for the first time, the pool's dimensions and configuration ,should be programmed into the unit, in order to optimise the cleaning efficiency of the Cybernaut NT. (This procedure will not have to be completed again).



Representation of keys on the control panel :

Indicator lamps:

- The robot is operating in automatic mode
- The robot is operating in remote control mode
- The robot is cleaning the bottom and sides
- The robot is cleaning the bottom only
- The robot is running.

Keys:

- Start / Stop
- Selection of "bottom only" or "bottom and sides" mode
- Selection of automatic or remote controlled cleaning
- In automatic mode: increase cleaning time; In remote control mode: move robot forward
- Turn robot left (Remote control mode)
- Stop robot (Remote control mode)
- In automatic mode: reduce cleaning time; In remote control mode: reverse robot
- Turn robot right (Remote control mode).

5-1/Programming the robot

In order to programme the Cybernaut NT, the characteristics of the pool in which it is to be used, are entered on the control board.


4 parameters have to be entered:

1. The shape of the pool: d1
2. The length of the pool: d2
3. The width of the pool: d3
4. The height of the sides: d4 (this means the vertical sides. Sloping sides are included in the pool bottom.)




For each parameter you can select from a range of possible values.



Parameter	d1	d2	d3	d4
Meaning	Shape	Length	Width	Height
Deck	3 possible values: 1= rectangular, flat-bottomed 2= rectangular with diving basin or slope 3= Other shapes	10 possible values: 0= for use with a program 7 = 7m 8 = 8m ... 15 = 15m	5 possible values: 3 = 3m 4 = 4m ... 7 = 7 m	3 possible values: 1 = 1m 2 = 2m 3 = 3 m

If your pool falls between 2 values it is best to select the lower of the two values.

> To start data entry: press .

> The display suggests a pre-set value for each parameter:

- If the value is correct, go to the next parameter by pressing 
- If not, use the  or , keys to increase or reduce the value.

The value modified will flash. Enter with the key  and press  again to go to the next parameter.

> Follow the same procedure to enter the following parameters.

> To go back to a previous parameter, use the  key (Cancel).

> When the 4th parameter, d4, is entered, programming ends.

N.B.: the factory set configuration is d1 = 2, d2 = 10, d3 = 5 & d4 = 1.

5-2/Start cleaning

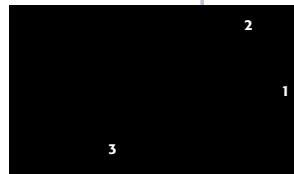
Commence cleaning by pressing the  key.

N.B.: When started for the first time, the pre-set cleaning mode and type are: "bottom only" and automatic cleaning. You can change the cleaning mode and type at any time, refer to the paragraph "Cleaning Options".

The time remaining before the appliance stops appears on the screen (e.g. 1 h 29 mins).



Indicator lamps () next to pictograms light up to report the following


- 1: the robot is operating
- 2: the robot is operating in automatic mode
- 3: the cleaning selected is bottom only.






5-3/Cleaning Options


At any time during the cycle, you can:


- **increase or reduce the time remaining** before the appliance stops, in sequences of 30 minutes, by pressing the  or  keys, (this new time will not be memorised; when the appliance is used next, the time displayed will be the time originally programmed in your pool's characteristics).

- **change the cleaning type** from bottom only to bottom and sides or conversely, by pressing the  key. A new cleaning cycle starts and the indicator lamp for the particular operation selected and in progress, lights up (the next time the appliance is started the mode of cleaning activated will be the mode selected at the end of the previous cleaning cycle).

- **change from automatic mode** to remote control mode and conversely, by pressing the  key. The  or  indicator lamp shows the robot's present mode (N.B. the robot always starts in automatic mode).

5-4/Remote control mode

When operating in remote control mode, touching the  or  keys moves the robot forwards or backwards. When the  or  key is pressed the robot turns in one direction or the other. As soon as the key is released the robot reverts to moving in a straight line.

The central key  stops the robot moving (N.B.: the pump still operates).

5-5/End of cleaning

> **Turn off the power supply to the robot and disconnect the control box from the electricity supply.**

> Bring the robot back towards you by pulling on the cable. **Then use the handle to lift the robot out of the water.**

> Clean the filter bag immediately (See "Maintenance" section).

> The robot should be stored on the trolley so that the foam pads are not flattened and the robot dries rapidly.

> Disconnect the control box cable and secure it around the hooks on the trolley.

6/ADVICE ON USE

> Use your robot cleaner as often as possible – you will get maximum benefit from a pool that is always clean. The filter bag will also not become clogged and will be more effective.

> The robot should be operated in pool water of the following quality: Chlorine < 2mg/l, pH between 6.8 and 7.6, temperature between 10°C and 35°C.

> It may occur that a section of the pool is not thoroughly cleaned after your robot's automatic programme has been completed. You are then able to use the remote control facility which will complete the cleaning in very little time.

> Do not use your robot if you are shock treating your pool.

> Do not leave your robot permanently in the water. Do not pull on the cable to remove your robot from the water. Use the handle for this.

7 / MAINTENANCE

7-1/Cleaning the filter bag

We advise you to clean the filter bag at the end of each cycle. Do not leave dirt to dry in the bag. It will then be hard to clean and may no longer be usable.

⚠ Do not use the cable to take the robot out of the water. ⚠

> Switch off the power to the robot and disconnect the control box from the mains.

> Pull on the cable to bring the robot towards you while it is in the water **Diagram 1**. Then use the handle to take the robot out of the water.

> Place it upside down on the pool surround so that you can access the filter holder plate located on the underside of the robot.

> Push the 2 clips securing the filter holder plate inwards and release it from the robot keeping it upside down so that the debris stays in the bag. The filter will come away with the plate **Diagrams 2,3 and 4**.

> Release the filter bag from the plate (it is lightly held behind the clips) **Diagrams 5 and 6**.

> Empty the bag and clean it in running water or slightly soapy water if necessary. If soap is used, rinse thoroughly, taking care to turn it inside out. Do not wring it out to dry it. You can put it through a washing machine following the instructions given on the label inside the bag.

> Rinse the filter holder plate too, and remove any debris caught under the flaps.

> Replace the bag on the filter holder plate by pressing on the corners of the filter frame and behind the clips so that the frame is properly fitted on to the plate. Take care – the bag can only be fitted one way. When the bag is in place on the filter holder plate, the Zodiac label should be visible. **Diagrams 7 and 8**.

> Refit the filter holder plate on to the robot and click into position. Push the clips outwards to make sure they are properly secured.

7-2/Caring for your robot

To maintain the original appearance of your robot it is advisable to follow the advice given below.

> The robot should be cleaned regularly in clean or slightly soapy, but solvent free water. Rinse thoroughly.

> Do not leave your robot to dry in full sun on the edge of the pool.

> If the robot is to be stored for a significant period of time (holidays, over winter), rinse in clean water and leave to dry.

> No external mechanical part accessible to the user requires greasing.

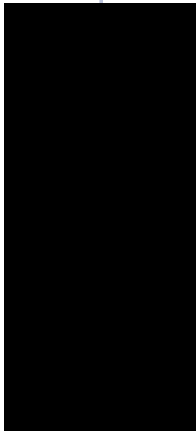


Diagram 1

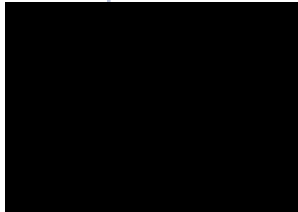


Diagram 2

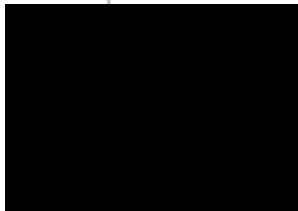


Diagram 3

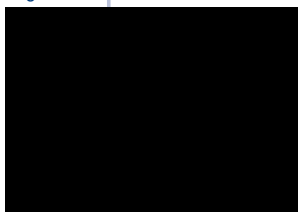


Diagram 4

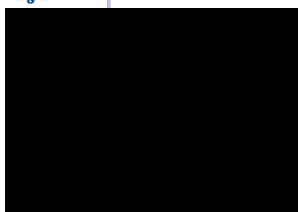


Diagram 5

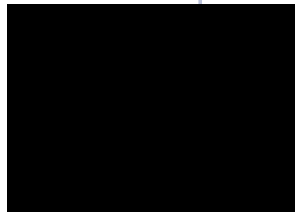


Diagram 6

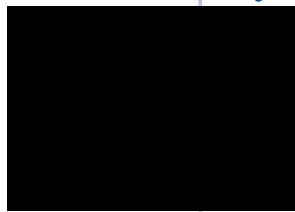


Diagram 7

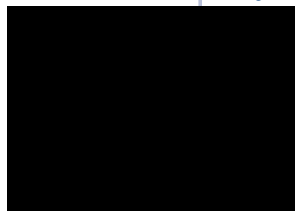


Diagram 8

7-3/Changing the foam pads

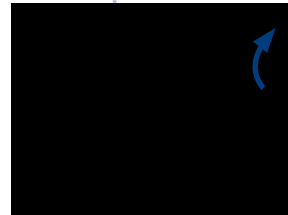


Diagram 9

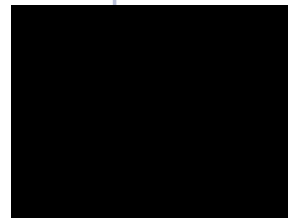


Diagram 10

Your robot is fitted with foam pads mounted on a brush-holder which consists of a male and a female roller. We recommend that you change the foams **at the end of each season**. It is imperative that they are changed if they are noticeably worn.

> Turn the robot over

> Lift up the clip that is located between the 2 rollers **Diagram 9**. Bring them together so that you can free them from the 4 pins attached to the drive unit **Diagram 10** and then remove the brush-holder **Diagram 11**.

> Remove the used foams from the rollers and replace them with new ones.

> Join the 2 rollers, reposition them, and then move them apart again ensuring that they are properly fitted to the 4 pins attached to the drive unit.

> Lock the central clip (the «clip» shows that the rollers are properly attached to the unit) **Diagram 12**.

Important: When the foam pads are new you should run your CYBERNAUT NT in bottom only mode for at least 6 hours to allow the water to thoroughly penetrate the foam pads.

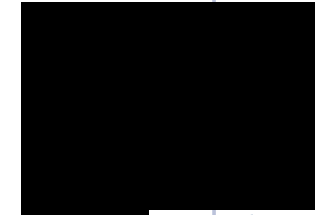


Diagram 11



Diagram 12

8 / IN THE EVENT OF A PROBLEM

The robot is not functioning, the screen remains clear and the buttons are not responding: the power supply is not functioning.

Check the plug point by plugging in a different electrical appliance. Re-connect the control unit's cable if the plug point functions correctly.



The robot does not remain on the bottom of the pool as it should do, or is regularly floating up towards the pool's surface.

There is still some air in the system's shell. Go back through the steps for submerging the robot, adhering to the recommendations given earlier in this document. Turn the robot right over and hold it underwater so that all the air trapped in the shell can escape. Squeeze the foam pads to evacuate the air. Leave the robot operating in bottom only mode for a short period

The robot does not or has stopped climbing the sides

> the filter bag is full or has become clogged: it needs cleaning, > although the water seems clear, there is microscopic algae in your pool, invisible to the naked eye, which will make the sides slippery and prevent the robot from climbing them. Carry out 'shock treatment' and lower the pH a little. Do not leave the robot in the water during the shock treatment process.

The robot is not moving and the screen is switched on.

Check that the robot's power cable is properly connected underneath the control unit. Check that  the indicator is lit up. If not, press .

The result of the cleaning process does not seem to be as good.

> clean the filter bag.
> check that the foam brushes have not deteriorated. We recommend that you change the foam brushes at the end of each season.

If, after following the guidelines above, the robot still does not work, contact your retailer who will be able to service the unit and identify the problem.

9/GUARANTEE

9-1/Conditions

All our technical experience and quality assurance has been used in the manufacturing of our equipment. It has all been subjected to stringent quality control tests. Our models are regularly updated and improved in keeping with technological advances. It is understood that these improvements cannot be added to previous models within the context of our guarantee. If, in spite of all the care and knowledge used in the manufacture of our products, you were to have need of the guarantee, please be aware that it only applies to the free replacement of faulty parts.

Transport and labour costs remain your responsibility. The guarantee does not cover accidents, breakage or deterioration due to causes unrelated to, or independent of the recorded fault.

We are fully within our rights to cancel the guarantee if the appliance has been seen to by a third party, not known to our workshops, or by a technician who has not been approved by us, or if modifications have been carried out without our written agreement. We are also fully within our rights to cancel the guarantee in the event of usage that does not comply with the instructions provided with the appliance at the time of purchase.

Not covered by the guarantee:

- > Normal wear and tear of items subject to wear such as foam pads and filter bags.
- > Electrical damage caused by lightning or a poor electrical connection.
- > Breakage due to impact or incorrect use (including robot, accessories and cables).
- > Deterioration caused by chemical imbalances in the water.
- > Under no circumstances can repairs or replacements made under the guarantee have the effect of extending or renewing the guarantee period of the appliance.

10/COMPLIANCE

This appliance has been designed and constructed according to the following standards :

- NF EN 50 081-1 June 1992. Electromagnetic compatibility – Generic emission standard. Section 1 : residential, commercial and light industry.
- NF EN 50 082-1 June 1992. Electromagnetic compatibility – Generic immunity standard. Section 1 : residential, commercial and light industry.
- EN 60 335-2:41 Ed. 1996 + amendment A1 Ed. 2001.

11/CYBERNAUT NT GENERAL SPECIFICATIONS

Control box supply voltage: 230 V 50 Hz
Robot supply voltage: 30 VDC
Installed load: 120 W
Length of cable: 175 m
Robot size (WxDxH): 46x40x28 cm
Pack size (WxDxH): 58 x 58 x 59 cm
Weight of robot: 9.1 kg

The manufacturer reserves the right to modify these specifications without notice.

Packed weight: 21Kg
Filtration surface: 3400 cm²
Filtration capacity: 20 microns
Theoretical width cleaned: 430 mm
Theoretical area cleaned: 260 m² / h
Pump output: 20 m³ / h
Rate: 10 m / min

9-2/Period of guarantee

The period of guarantee is fixed at two years from the date of invoicing to the first user.

9-3/Object of the guarantee

During the guarantee period defined above, any part recognised as faulty will be repaired or exchanged by the manufacturer with a new part or a part in good operating condition. In all cases, travel and labour costs will be the responsibility of the user.

In the event of a return to the workshop, return transport costs will be the responsibility of the user, but labour costs remain the responsibility of the manufacturer.

The immobilisation and the prevention of possession of an appliance in the event of any necessary repairs cannot give rise to compensation. In all circumstances, the legal guarantee of the seller continues to be applied in accordance with article 4 of decree n° 78-464 of 24 March 1978. The legal guarantee of article 1641 of the civil code is applied.

9-4/Transport damage

Appliances always travel at the risk and peril of the user. It is up to the user, before taking delivery of the appliance, to check that it is in perfect condition.

Under no circumstances can we be held responsible for transport damage.

Safety of household electric and analogue appliances.

Second section : Specific rules for pumps.

Extra details concerning 'CE' (EC) label :

The CYBERNAUT NT™ pool cleaning robot is labelled 'CE' according to the following directives :

- CEM: 89/336/CEE and 92/31/CEE.
 - Low voltage 73/23/CEE 73/23/CEE vis-à-vis those to which it complies.
- The product has been tested in normal usage conditions.