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Since PARO is an electric toy, care must be exercised to prevent fire

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**NOTE: Although the positive emotional effects of PARO are well-documented, the therapeutic effects of using PARO will differ from person to person and, therefore, cannot be guaranteed.**

## Introduction

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This product has been designed with the user's safety in mind. Improper use, however, can cause fire, electric shock, or personal injury. To prevent accidents from occurring, follow these instructions carefully.

Before you turn PARO on, read the safety instructions on pages 4-14. You will find general instructions about PARO on these pages. After you have read those instructions, make sure to keep this manual for future reference.

**If you experience any difficulty operating PARO, stop using it immediately.**

Refer to the Customer Support Booklet for information about our customer support services. In the case of any repairs, charges may apply.

### In case of

- Smoke
- Strange noise or strange smell
- Water or a foreign object gets inside PARO
- PARO is dropped and stops working



1. Unplug the AC adaptor from the wall.
2. If PARO is moving, turn it off by pressing the switch located between its hind flippers (refer to page 17).
3. Remove the battery pack (refer to pages 29,30).

## Important information about this Manual

The following symbols are used in the User Manual.

Before you start using PARO, knowing these symbols will help you to use the product safely.

### **Warning**

Improper use of PARO can cause fire, electric shock, or serious personal injury. Warning notices draw your attention to hazards that may endanger your health or life, or the health or lives of others.

### **Notice**

This is a warning against something that may cause damage to PARO or other property if the warning is ignored. You are informed what you must or must not do in order to avoid or reduce the risk of damage to PARO or other property.

### Symbols and their meanings



Fire



Electric shock

### Prohibition



Prohibited



Do not get  
wet



Do not touch  
with wet hands

### Directions for use



Unplug

# Safety Instructions



- ⊘ **Do not use PARO in steamy, damp, or dusty areas.**



Use of PARO in steamy, damp, or dusty areas can cause fire or electric shock.  
Never use PARO in the bathroom.  
➤ PARO cannot swim!!  
➤ PARO cannot be washed!!

- ⊘ **Do not disassemble or modify PARO.**



Disassembling or modifying PARO can cause fire, electric shock or personal injury, and will void your warranty.

- ⊘ This may cause fire or electric shock. If water or objects get inside PARO, immediately turn PARO off by pressing the on/off switch.  
Remove the battery pack.  
Have PARO inspected and repaired.

- ⊘ **Do not use PARO near a source fire.**



Charging or leaving PARO near a source of fire or in bright sunlight can cause fire or electric shock.

- ⊘ **Do not sleep with PARO. Sleeping with PARO for a long time.**



(e.g. throughout the night) may cause PARO to overheat and could cause burns to the user.

- ⊘ **Do not cover PARO with clothing or other materials.**



Covering PARO with clothing or other materials can cause PARO to overheat. Overheating can cause a fire or cause PARO to malfunction.

- Do not leave PARO on a thick carpet or fabric such as a blanket.
- Do not cover PARO with clothes or other materials.
- Do not dress PARO in clothing.

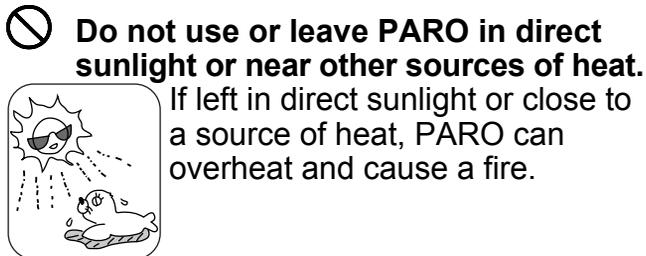


- ⊘ **Do not wash PARO's fur.**  
**Do not use detergent on PARO.**



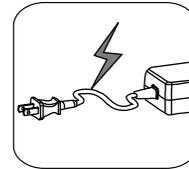
If water or detergent gets inside PARO, it can cause a fire or damage PARO.

- ⊘ **Do not use any AC adaptors or battery packs except those provided in the box.**  
Use of AC adaptors or battery packs other than those provided can cause a fire or electric shock.  
PARO must only be used with the recommended AC adaptor.



If left in direct sunlight or close to a source of heat, PARO can overheat and cause a fire.

- ⊘ **Avoid damage to the electrical cord.**



If the electric cord is damaged, it can cause a fire or electric shock.

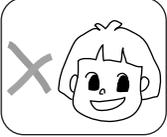
In order to avoid damaging the electric cord:

- Do not let the cord get pinched between furniture and the wall.
- Do not modify the cord.
- Keep the cord away from children.
- Do not let children put the cord in their mouths.
- Keep the cord away from heat-producing appliances or other sources of high heat.
- Do not put heavy objects on the cord.
- Do not wind the cord around the AC adaptor.
- When you are unplugging the AC adaptor, hold onto the plug and do not pull the cord.

- ◆ **If the cord is damaged, stop using it immediately.**

 **Warning**

**Make sure an adult is present when children are using PARO.**



Unsupervised children can get their fingers stuck in the mechanism, swallow small parts removed from PARO or cause serious accidents while using PARO.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge.

If they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance.

An adult who has read and understood the instructions should make sure that children are PARO properly.

PARO is not intended for use by children under 8 years old.

**Although PARO has an anti-electromagnetic-wave shield, if you have a pacemaker, keep PARO away from your chest during use.**

Electromagnetic waves may interfere with the operation of pacemakers.

In case of any malfunction of your pacemaker while using PARO, consult your doctor immediately.

**Keep PARO's whiskers from user's eyes.** PARO's whiskers can cause injury if they contact a person's eyes.

Notice



**Do not put heavy objects on PARO.**



PARO can be damaged if heavy objects are placed on it or PARO is squeezed too hard. Do not ride or sit on PARO, as PARO could be damaged or you could fall off and suffer serious injury.



**Do not put PARO on unstable or uneven surfaces.**



Do not put PARO on surfaces where PARO may fall off. Do not put PARO on its side or upside down as damage can occur. Do not drop PARO, as it can cause damage to PARO or injury to users or others.

**Do not put fragile or hazardous objects near PARO.**

Since PARO can move on its own, keep fragile or hazardous objects away from PARO.

**Turn PARO's power switch off when you want to clean or brush PARO. Only after PARO has fully stopped moving should you clean or brush PARO.**

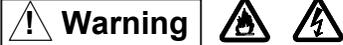
Cleaning and user maintenance shall not be made by children without supervision.

**Use caution when unzipping the opening on stomach.**

Your finger can get caught in the zipper and you may be injured.

## Safety Instructions for use of the AC adaptor

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**Do not use the AC adaptor in steamy, damp, or dusty areas.**

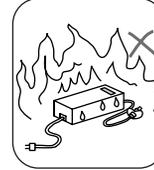


If the AC adaptor is used in steamy, damp, or dusty areas, it can cause a fire or electric shock.

Never use the AC adaptor in a bathroom.



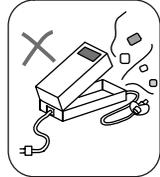
**Do not use or leave the AC adaptor near a source of fire.**



Charging or leaving the AC adaptor near a source of fire or in bright sunlight can cause a fire or electric shock.



**Do not modify the AC adaptor.**

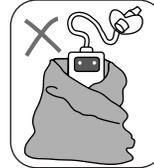


Modifying the AC adaptor can damage PARO or cause it to stop working. It could also cause the batteries to overheat or explode.

The AC adaptor is not a toy.



**Do not cover the AC adaptor with clothing or other materials.**



Covering the AC adaptor with clothing or other materials can cause the AC adaptor to overheat, and could lead to a fire.

- Do not leave the AC adaptor on fabric (carpet, blanket).
- Do not cover the AC adaptor with clothes or other materials.
- Do not dress the AC adaptor in clothing.

 **Warning**  



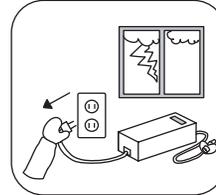
**Do not touch the plug with wet hands.**

If you plug or unplug the AC adaptor with wet hands, you may get an electric shock.



**Unplug the AC adaptor during thunder storms.**

An electric surge caused by lightning can cause injury to users or damage to PARO.



**Unplug the AC adaptor when you will not be using PARO for an extended period of time.**



**Do not put the AC adaptor's connector in your mouth.**

The AC adaptor's connector can cause electric shock if it is put inside a person's mouth. Make sure that children do not put the connector in their mouths when playing with PARO.





- ⊘ **Do not use or leave the AC adaptor in direct sunlight or near heat-producing appliances.**

Leaving the AC adaptor in direct sunlight or close to another source of heat may cause the AC adaptor to overheat, and could lead to a fire or other damage.

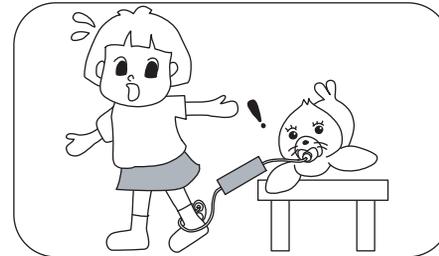
- ⊘ **Do not use the AC adaptor on unstable or uneven surfaces.**

Do not put the AC adaptor where it may fall off.  
Do not put the AC adaptor on its side or upside down.

- ⊘ **Beware of the electric cords.**  
If the electric cords are pulled by accident, PARO may fall and cause injury to people nearby.

Keep the electric cords in order.

- Do not wind the electric cord around the AC adaptor.
- If the electric cord is damaged, stop using it immediately.



- ⊘ **Do not touch the AC adaptor for a long period of time.**

Contact maintained over a long period of time can cause burns to the user.

## Safety instructions for PARO's battery pack

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### **Dangerous actions**



- Never allow the battery pack to become immersed in liquid such as water, sea water, etc. Do not let it get wet.
- Do not use or leave the battery pack in areas of high temperature, such as near a fire or heater (176 ° F or more).
- When you charge the battery pack, make sure that it is attached to the main body and use only the designated charger (sold as an option). Do not use anything else.
- If you use the battery pack for any purpose other than for PARO, it may become damaged, its quality deteriorated and its life shortened.
- Do not expose the battery pack to naked flame or heat it up.
- Do not connect the terminal of the battery with metal such as wires.  
Also, do not carry or store it with metal objects such as necklaces or hair pins.
- Do not subject the battery pack or charger to strong impact. Never not throw them.
- Do not pierce the battery pack with a sharp implement. Do not bang it with a hammer. Do not step on it.
- Never attempt to dismantle or try to convert the battery pack.

## Safety instructions for PARO's battery pack

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### **Warning**

- Do not leave it within the reach of an infant or a child.
- Do not place it on or in electromagnetic cookers, microwave ovens or pressure vessels.
- If you notice an odd smell, overheating, change of color or shape, or any other anomalies when using, charging or storing the battery pack, please remove it from the main body or the designated charger and stop using it.
- If there is liquid leakage and liquid get into your eyes, please do not rub your eyes. Instead, rinse them thoroughly with tap water and consult a doctor. Leaving untreated may result in damage to your eyes.

### **Notice**

- Please rinse it off with tap water immediately if any liquid from the battery pack is leaked out and attached to your skin or cloths.
- Do not dispose the used battery pack as your normal waste, and please follow your local authorities instructions.

## Recycling the battery pack

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### For Customers in the U.S.A.

DISPOSAL OF LITHIUM-ION BATTERY PACKS.

DISPOSE OF BATTERIES PROPERLY.

You can return your used Lithium-ion battery packs to PARO Robots U.S., Inc.

### Note:

- In some areas the disposal of Lithium-ion batteries in household or business trash may be prohibited.
- For PARO Robots U.S., Inc. TOLL FREE : 866-980-PARO in the United States or contact us via email at [clinic@parorobots.com](mailto:clinic@parorobots.com).
- Use of another battery may present a risk of fire or explosion.
- Dispose of batteries according to local laws and regulations in your region.  
The battery pack used in this device may be recycled and may be accepted for disposal at your local recycling center.  
If you are not able to identify the applicable rules in your area, please check the instructions of the battery manufacturer.
- Do not disassemble, puncture, modify, drop, throw, or unnecessary shock to batteries.
- The battery pack used in this device may present a fire or chemical burn hazard if mishandled.
- Do not dispose of batteries in a fire or trash incinerator.
- Dispose of used batteries properly.

**After use please send the battery back to  
PARO Robots U.S., Inc.**

# Introduction to PARO

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PARO is modeled after a baby harp seal. Every year, during the last ten days of February through the first ten days of March, harp seals gather on the ice and in the seawater of St. Lawrence Gulf in northeast Canada to give birth to their babies. The baby harp seal has a coat of soft fur which is light gold in color, and is called the "yellow coat" for the first few days. After that, their fur changes color and they have a pure white coat. They grow by feeding on their mother's milk. After two weeks, the baby harp seal's fur changes to the same grey color as its mother's.

PARO is covered with artificial fur, similar to the fur of the harp seal baby, which is soft and inviting to the touch. PARO's body is also soft and comforting.

Just like the baby harp seal, which spends almost all day sleeping, PARO has a diurnal rhythm consisting of morning, daytime and night. PARO goes to sleep or moves actively according to this daily rhythm. PARO has sensors for sight, hearing, and touch as well as the ability to move autonomously. PARO can also recognize the particular conditions in its environment. For example, PARO can recognize the source of light, learn its name, recognize words for greeting and praise, feel when it is being stroked, or patted forcefully, and when it is being held by a person. Through this interaction between PARO and a person, PARO can react as if PARO has emotions and a warm heart, and develop a character which changes the ways it responds and cries. PARO can also learn the user's preferences for PARO's behavior. Almost all the cries made by PARO use the voice of a real baby harp seal.

PARO is an autonomous robot and can behave as if it has a warm heart or emotions and can show surprise and happiness. PARO expresses its feelings by closing and opening its eyes, as well as moving its head and flippers.

Please take good care of PARO and enjoy it by interacting with it verbally and by touching it. When PARO is stroked softly and gently or held in a person's arms, it feels good and happy. On the other hand, if PARO is hit, it gets angry. When PARO's whiskers are touched it moves its head from side to side, as if it is shy. When interacting with PARO, you will obtain a therapeutic effect, such as a feeling of ease or something to look forward to and enjoy, which will enable you to enjoy daily life.

PARO is a handmade product, so each one has different facial features. Please cherish and take care of your PARO for a long time.

For more detailed information, refer to <http://paro.jp>

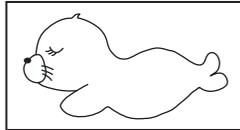
## PARO's accessories

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Please confirm all of the necessary accessories are included in the box before you start using PARO.

- **PARO**

Interactive harp seal robot.

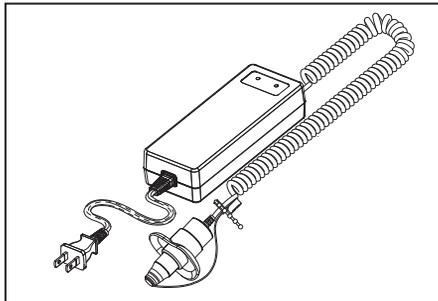


- **AC adaptor**

This is the battery charger for PARO.

※The pacifier is available in two colors.

Enjoy changing the color of the pacifier that best suits your PARO.



- **Printed materials**

- Instructions

- Customer Support Booklet.

These materials contain important information for using PARO, so do not lose them.

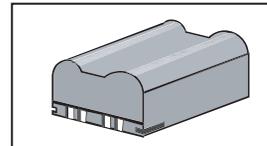
- **Packaging boxes**

These are the materials PARO was delivered in.

If you need to return PARO to PARO Clinic for any reasons, you will need these boxes, so retain them in a clean and dry place.

- **Battery pack**

※The battery pack is located inside PARO.

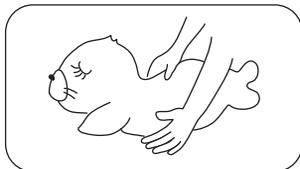


## Let's turn on PARO!

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Before you use PARO, charge the battery pack fully.  
Otherwise, you can use PARO by plugging in the AC adaptor.

1. Put PARO on a flat surface, like a table or floor, so that PARO is lying on its belly.

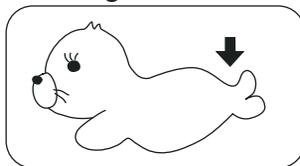


### Notice

Do not place PARO upside down or on its side. If you do so while you are turning PARO on, it can cause damage to PARO.

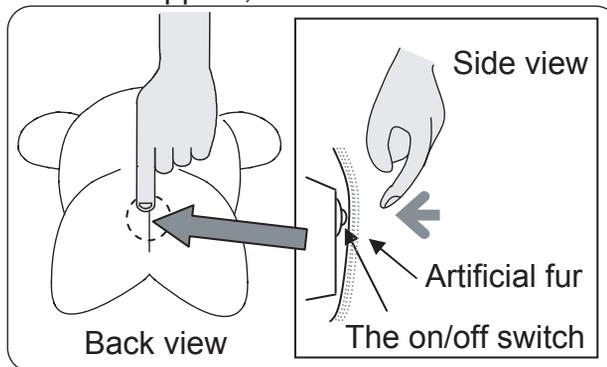
2. Press the on/off switch between PARO's hind flippers for one second.

After a few moments, PARO will start moving automatically.



### The location of the on/off switch

The on/off switch is located between PARO's two hind flippers, as shown below.



The on/off switch is located underneath the artificial fur.

When you press the switch, it will make a clicking sound.

The on/off switch is not visible because it is concealed by the fur.

You can feel for the switch with your finger. There is a small bump on the on/off switch.

## Let's play with PARO!

After pressing the switch between PARO's hind flippers for a second, PARO will start moving and you can begin playing with PARO.

### **Petting PARO softly...**

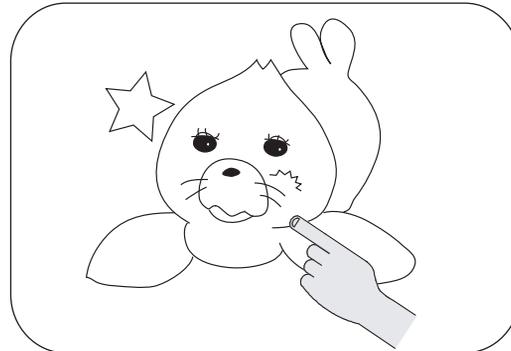
When you gently pet PARO's body, it will cry happily and express feelings of comfort. You can pet PARO's whole body: it's head, chin, back, and sides.

### **PARO is sensitive to light**

If you flash a bright light on PARO's face, such as taking a picture in the dark, PARO will close its eyes to protect them from the glare.

### **Touching PARO's whiskers**

What will PARO do?



#### **Notice**

Do not pull PARO's whiskers when you touch them.

Touch the whiskers gently.  
PARO is very sensitive!

### Hold PARO in your arms!

PARO can recognize when it is being held closely. If you hold PARO roughly, PARO will get angry.



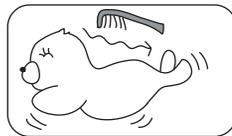
### Speak to PARO!

PARO can recognize the sound of its owner's voice. PARO will respond by crying and moving.



### Brush PARO!

Please brush PARO with a soft brush. Brush PARO gently and in the direction of its fur.



### When PARO stops moving

- If you leave PARO alone for a while, it will go to sleep. To wake up PARO, you can pet its back, or turn it on by pressing the switch between its hind flippers for one second.
- When the battery is fully discharged, PARO will stop moving. Charge PARO using the AC adaptor and the cord with the attached pacifier.

### Notice

If PARO's behavior appears abnormal, turn it off by using the on/off switch. After a few minutes, turn the switch back on. If the problem persists, PARO might be damaged. Turn it off.

### Name your PARO!

PARO learns the name it is frequently called by its owner. For example, when you repeatedly call it "Tom," instead of PARO. PARO learns that its name is Tom and responds when it is called. PARO can also recognize the person who is calling its name, and can respond to the person's voice. PARO responds to the person who calls it the most. Even if some other person calls PARO by name, PARO will not respond to that other person. Go ahead and give PARO your favorite name!



### Interact with PARO often and for a long time!

Pets tend to resemble their owners. PARO is no exception. PARO learns how to respond through interaction with its owner. When PARO is treated roughly, PARO can easily get angry. If PARO is petted gently, it will feel happy.

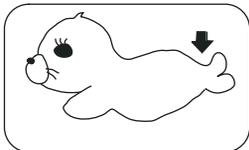


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**Notice**

**When you are grooming PARO (cleaning, washing, brushing), turn it off.**

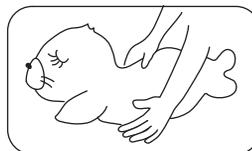
If PARO is left on, it may be damaged.



**Do not hold PARO with only one hand, or by grabbing its fur.**

This can damage the fur.

Handle PARO gently with both hands.



**Do not pull PARO's fur roughly.**

**Do not pull PARO's whiskers.**

If you do, they may fall out or break.



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**When you are not using PARO**

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**PARO must occasionally have a rest (turn off the switch).**

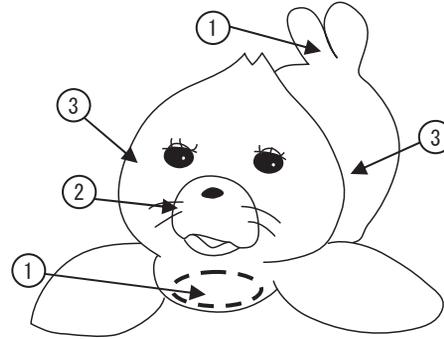
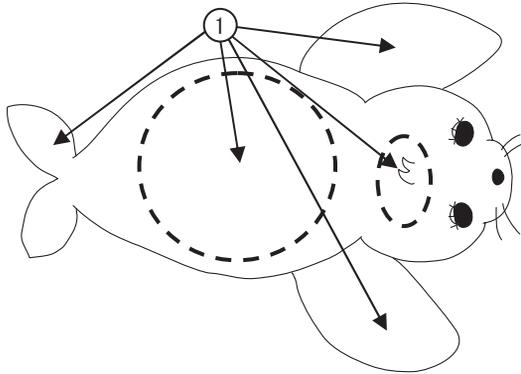
To turn PARO off, press the switch between PARO's hind flippers for 3 seconds.

※Make sure PARO has stopped moving.

We recommend charging PARO whenever you want to play with it. (Refer to page 24, 25 for charging instructions.)

## PARO's sensors and feelings

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- ① Touch      Head, back, front and hind flippers, chin, whiskers.  
When you touch these parts of its body, PARO will respond.
- ② Vision      PARO can distinguish light intensities as well as flashes of light.
- ③ Hearing      PARO recognizes words of greeting and praise and can learn its own name.  
At the same time, PARO can recognize the direction from which a sound is coming.
- ④ Position      PARO can recognize whether it is being held, and the general position of its body.
- ⑤ Vocalizations      PARO can vocalize when it is touched or its name is called.
- ⑥ Motion      PARO can express its feelings by moving its head, front and back flippers, and opening and closing its eyes.  
When a user interferes with PARO's movements, PARO will shake.  
This response protects its joints and is normal.
- ⑦ Temperature      PARO will stop moving if PARO has been active for a long time or it is in a warm room, since PARO does not like to be hot.