



marscat MARS-1001 Bionic Robotic Cat Instructions

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MarsCat
Model: MARS-1001



Before using MarsCat read all instructions and cautionary markings in this manual

- Do not expose the product to rain or moisture to reduce fire or shock hazard.

- Do not place the product in or near fire, such as near a fireplace.
- Do not leave the product in a car in hot weather.
- Do not store or use the product in a hot and humid place such as in a sauna bath.
- Do not disassemble, crush or pierce the product.
- Do not expose the product to excessive shock such as dropping from a high place.
- Do not expose the product to high temperatures above 60 °C (140 °F).



To reduce the risk of fire or electric shock, carefully follow these instructions.



For specific use, please check the **official website**:
<https://www.elephantrobotics.com/en/mars-en/#tutorials>



No unit or individual may extract, compile, translate or reproduce any contents of this manual (eg: technical documentation, software, etc.), nor disseminate in any form (including materials and publications) without the written permission of Shenzhen Elephant Robotics Technology Co., Ltd. (hereinafter referred to as “Elephant Robotics”).

In addition, the product information and related resources mentioned in this manual are for reference only and the contents are subject to change without notice.

Except as expressly stated in this manual, nothing in this manual should be construed as any warranty or guarantee by the Elephant Robotics of personal loss, damage to property, or fitness for a particular purpose.

All rights reserved!

Note: This manual is only applicable to international users (countries other than China).

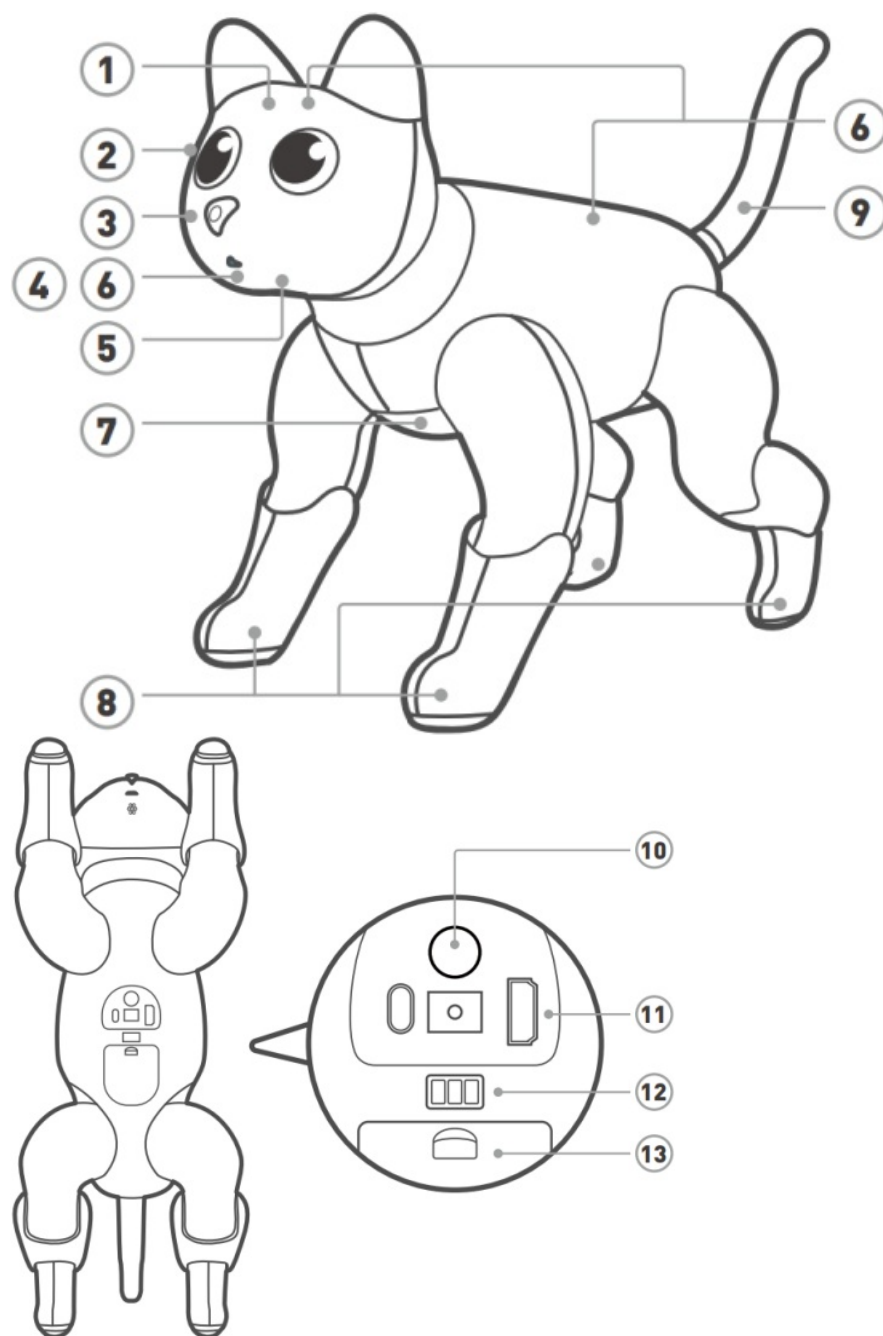
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1. Product Structure

The following picture illustrates the parts, controls and charging station of MarsCat.

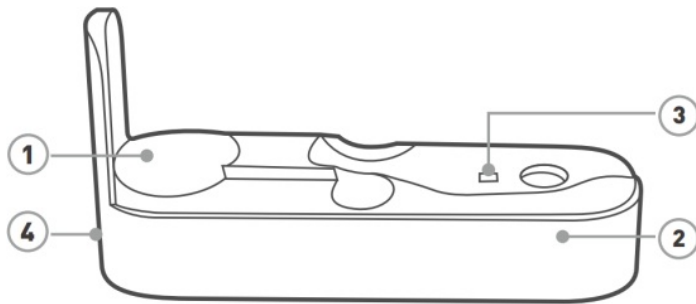
1.1 MarsCat (Model: MARS-1001)



1. Head
2. Eyes
3. Camera
4. ToF Sensor
5. Microphone
6. Touch Sensor
7. Loudspeaker
8. Paw
9. Tail
10. Power Button
11. Interface: Type-C, DC JACK(charging port), HDMI

12. Wireless Charging Pins(used for Charging Station)
13. Model Name Label(the model, serial number and certifications)

1.2 Charging Station



1. Support Stand(where MarsCat's head rests)
2. Charging Stand
3. Charge Connector
4. Supply Terminal

2. Note on Use

2.1 On handling MarsCat

- Do not use MarsCat on an unstable place or a place from which MarsCat may fall off to avoid a physical injury or a malfunction of MarsCat.
- Do not place fragile or dangerous objects around MarsCat to avoid property damage or a freak accident.
- Note that Elephant Robotics will not be responsible for any damage or loss caused by such fall or collision.

2.2 To avoid injury

- Do not put your hands or fingers in gaps around MarsCat's movable parts.
- Do not lift, swing or twist around MarsCat by only grasping its head, tail or any movable parts.
- Do not pull MarsCat's tail hard. Noted that it's designed for safety that MarsCat's tail come off from the body when it's forcefully pulled.
- If MarsCat's tail comes off from the body, please put the detached tail to the protruded base component, and then push the tail toward MarsCat's body to let the component go into the receptacle hole of the tail.
- Do not use MarsCat on a hard or slippery floor, MarsCat may fail to sit up or move forward. It is recommended that you use MarsCat on a wooden floor or a carpet with short threads.
- Keep MarsCat's movable parts free of anything that can restrict their movements, such as a sticker or a ribbon.
- Do not lubricate MarsCat's movable parts.
- Do not allow a strong physical impact (e.g. dropping MarsCat) or exert excessive force (e.g. putting a heavy object on MarsCat) on MarsCat to avoid the risk of malfunction.
- Do not leave MarsCat in a place subject to extremely high/low temperatures or high humidity. MarsCat's operating temperature range is from 5 °C to 35 °C (41 °F to 95 °F). Use of MarsCat in an extremely cold or hot place where the temperature falls below or exceeds the range may cause a malfunction of MarsCat.

2.3 On cleaning

- When MarsCat or the charging station is soiled with small particles and dust, gently wipe them off with a dry, soft cloth.
- Do not use any volatile agent, such as alcohol or paint thinner, to avoid damaging the surface.
- If residues of dust or fingerprints are found on MarsCat's camera or sensor covers, do not touch them with bare hands. Instead, blow them off with a commercially available blower or wipe them off with a soft cloth.

2.4 Moisture condensation

- If MarsCat is brought directly from a cold place to a warm place, moisture may condense inside or on the surface of it and cause a malfunction of MarsCat.
- If moisture condensation has occurred, leave MarsCat without turning on the power. Turn on the power until moisture condensation leaves or you can wipe MarsCat with a dry cloth.

2.5 Heat generation

- MarsCat and the supplied power adapter may generate heat while they are in use. Heat generation is caused by the operation of internal electric circuits or the electric current that flows during battery charge and does not indicate a malfunction.
- The amount of heat generated by MarsCat depends on its activity.
- When MarsCat or the supplied power adapter is extremely hot to the touch when compared to its usual state, unplug the charger and stop charging.

2.6 On handling the charging station

- To let MarsCat charge its battery on its own on the charging station (self-charging) and get up from there, do not place objects, which may disturb MarsCat's activities, around the charging station.
- Choose an open bright place without direct sunlight to place the charging station and avoid a place subject to high room temperatures of 35 °C (95 °F) and higher.
- Do not touch the charge connector with bare hands to avoid causing a bad contact.
- Do not exert force on the charging station, for example, step on or kick the charging station.
- Do not allow the charging station to be exposed to water or spill any type of liquids.

2.7 On charging the battery of MarsCat

- The supplied battery model is INR18650MJ1-2S2P, exclusively designed for MarsCat. If you need to purchase a new one, please visit our official website: <https://www.elephantrobotics.com/>.
- Charge the battery under the condition where the ambient temperature is within the range from 5 °C to 35 °C (41 °F to 95 °F). If the temperature is out of this range, the battery may not be fully charged.
- While you are charging the battery or using MarsCat, MarsCat's body temperature may rise. This does not indicate a malfunction of MarsCat.
- Even if you do not intend to use MarsCat for an extended period of time, charge the battery every 3-6 months to keep it from deteriorating.

- If MarsCat has not been used for an extended period of time, it may take more time to charge the battery.

2.8 On Handling the Power Adaptor

- Elephant Robotics provide supplied power adapter consistent with buyers' location
- Use the supplied power adapter with the charging station. Use of any power adapter other than the supplied one will cause a malfunction of MarsCat.
- For connecting the power adapter to a power outlet that is easy to access.
- Any problem happens during charging, immediately unplug the power cord from the power outlet to cut the power supply.
- To avoid the risk of heat generation or a malfunction of the adapter, unplug the power cord from the power outlet after the charging is completed.
- The supplied power adaptor is exclusively designed for MarsCat's charging station. It should not be used with any other electric devices.
- To purchase a new one, please visit our official website: <https://www.elephantrobotics.com/>.

2.9 On handling the SD card

- Do not take SD card out.
- If you want to read or transfer data, please use USB access to the file. For details, please visit our official website to consult relevant information: <https://www.elephantrobotics.com/>.

2.10 On data compensation

- In the event that your data is not recorded and thus unavailable for retrieval due to some reasons, such as a malfunction of MarsCat or a communication error, please be advised that Elephant Robotics assumes no liability for compensating lost data.

3. Network

- To protect user privacy, the use of MarsCat does not require a network.
- Users can operate MarsCat offline.

4. MarsApp

- MarsAPP is available for MarsCat via Bluetooth. MarsApp is a software developed for MarCat. Through MarsApp, you can better interact with MarsCat and learn more about it.
- For download or update MarsAPP, it can be done by your phone. By updating the system software, you can add new features to MarCat, improve user experience of MarCat, and enhance security of MarCat. Please use the dedicated app, MarsApp, to keep your MarCat updated.
- For the detailed introduction and use of MarsAPP, please refer to the User Guide on the official website.

5. Specifications

Name:	MarsCat
Model:	MARS-1001
Age to use:	12+
Joints:	16 (Head x 2, Legs: 4(LEGS)x3(Joints), Tail x 2)
Material:	Plastic + Glass(eye)+ Rubber(Ear, Neck and Paw)
Color:	White, Black, Grey, Ginger
Size:	Lie Down: 388(L)x268(W)x240(H) Without Tail / 578(L)x268(W)x240(H) With Tail
	Stand: 372(L)x200(W)x329(H) Without Tail / 503(L)x200(W)x329(H) Without Tail
Weight:	2.9KG
MicroProcessor:	Raspberry PI 3 B(wifi) – Quad-Core ARM Cortex-A53 CPU, 1GB RAM
Display:	2OLEDs(EYES), 128x128px, 1.5 Inch
Camera:	5M Pixel Camera, 72 degree
Speaker:	1 Speaker, 1 Microphone
Sensors:	Capacitive touch sensor
Switches:	1 Power Button
Interface:	Type-C (USB), DC JACK (charging port), HDMI
Communications*	BLUETOOTH
Power Consumption:	Approx. 20W
Battery:	7.4V, 6800mAH
Battery Duration:	2 Hours Active Motion, 3~4 Hours Regular Motion
Recharge:	Charging Station / power adaptor; 8.4V/2A(Max)
Recharge Duration:	3 Hours
Accessories:	Type-C USB,4 Changeable Paws
Toys:	Toys: Cat teaser, Cat Ball and Toy Fish

6. Warranty Service

The service terms is only applicable to users who purchased MarsCat in the official store of Elephant Robotics or other stores authorized by Elephant Robot.

If you need after-sales service, please contact the customer service first to confirm the relevant details. After

confirmation, please fill in warranty card in the last page in detail and complete the after-sales process under the guidance of customer service.

6.1 Receipt & Return

Please make sure that your package is signed for by yourself, and confirm whether the product and its color, quantity or other items are damaged or not. Any problem encountered please contact the customer service at the first time.

Return service is limited to goods not opened within 7 days after the receipt date of logistics of the products.

The freight or other risks incurred in return shall be borne by the customer.

- Customers are responsible for paying the cost or other expenses to ship it back to Elephant Robotics, not including the cost of re-delivery.
- Customers assume all risk of loss or damage to the Product while in transit.

6.2 Warranty Clauses

- Customers should provide purchase the invoice and warranty card as the warranty certification when a warranty is being asked.
- Elephant Robotics will be responsible for the hardware faults of products caused by the normal using during the warranty period.
- The warranty period starts from the date of purchase or the receipt date of the logistics.
- The faulty parts from the products will be owned by Elephant Robotics, and the appropriate cost will be charged if necessary.

Electronic Accessories(including servos)	
Warranty Period	Warranty Services
< 90 Days	customer shall bear the return cost and Elephant Robotics shall provide maintenance services and offer bear the shipping cost.
≥ 90 Days	customs shall bear the freight

6.3 Non-Warranty Clauses

Neither of the following circumstances, even within the warranty period could have warranty services.

- Failure to use in accordance with the regulations caused product damage
- The user cannot provide the relevant certificate such as purchase proof/ warranty card or the relevant certificate is altered
- The faulty parts belong to the consumption materials (such as the shell, the natural consumption wear and aging of the pads)
- Faulty or damage caused by accident or by human
- Products that change(replace) components without authorization.
- Products that are scratched, defaced, rusted, oxidized or artificially damaged during transport.

6.4 Special Statement

- The freight or other risks incurred in warranty shall be borne by the customer.
- The cost or other expenses to ship it back to Elephant Robotics (not including the cost of re-delivery)
- All risk of loss or damage to the Product while in transit

Our company is not responsible for any direct or indirect losses caused during the usage of products normally (including damage to user's data records or other tangible or intangible assets).

6.5 Extended warranty service

For extended warranty service, you can refer to the paid warranty service of MarsCat on the official website:
www.elephantrobotics.com



Users Notice

1. Please remember to store and copy your user data before sending it to repair, because the data and other Settings may not be retained after repairment.
2. Since our MarsCat are precision electronic products, customers shall return the product in a safe and reliable packing and transportation method to avoid further damage due to transportation. We suggest that the customer apply for transportation insurance. For the loss caused by transportation or other force majeure during the transportation, our company will not bear the compensation.
3. The repair period will be determined by logistics and the degree of damage to the returned product and will be informed to the customer upon receipt of the repaired item.

Note: Our company reserves the right to interpret and modify the warranty card by law.

WARRANTY CARD

Customer Information (Required)

Name _____ Phone _____ E-mail _____
Address _____ Date of Purchase _____

Product Information

Product Name MarsCat Product Model MARS-1001

SN Code

CONTACT US

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Website: www.elephantrobotics.com

Shop: <https://shop.elephantrobotics.com>

Twitter: [MarsCat@elephantrobotic](https://twitter.com/MarsCat@elephantrobotic)


Facebook: <https://www.facebook.com/ElephantRobotics>

Youtube: <https://www.youtube.com/channel/UC68l2RaRF2Mp8fzpCTzNBfA>



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Documents / Resources

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