



marscat MARS-1001 Home Robot Bionic Robot Instruction Manual

[Home](#) » [marscat](#) » marscat MARS-1001 Home Robot Bionic Robot Instruction Manual 



WARNING

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 hazards.
- 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).



ANGER

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

Contents

1 Product Structure

1.1 MarsCat (Model: MARS-1001)

1.2 Charging Station

2 Note on Use

2.1 On handling MarsCat

2.2 To avoid injury

2.3 On cleaning

2.4 Moisture condensation

2.5 Heat generation

2.6 On handling the charging station

2.7 On charging the battery of MarsCat

2.8 On handling the power adaptor

2.9 On handling the SD card

2.10 On data compensation

3 Network

4 MarsApp

5 Specifications

6 WARRANTY CARD

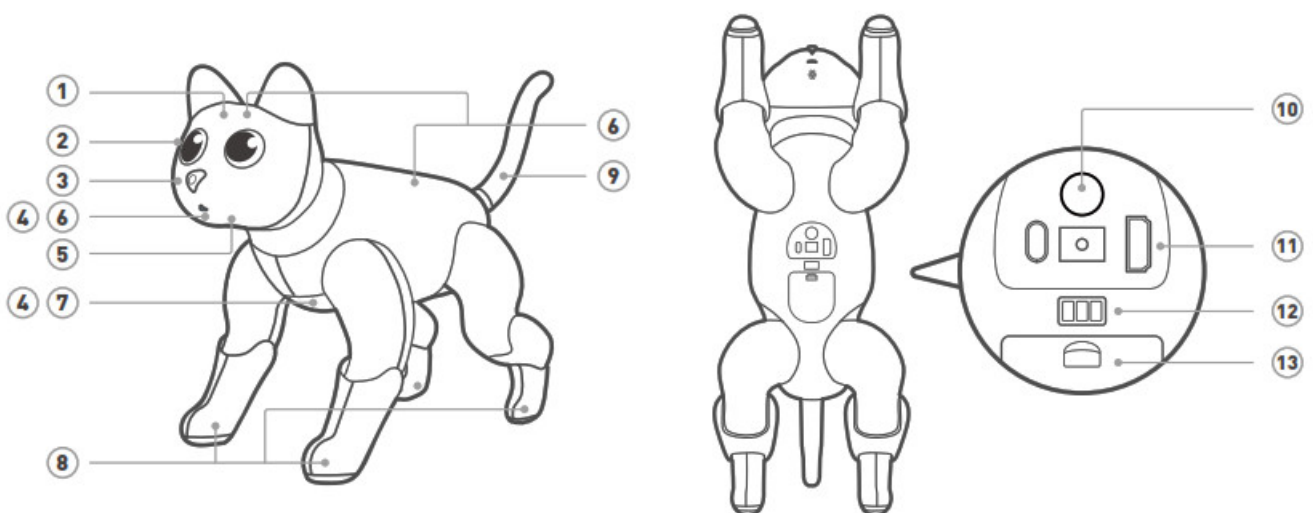
7 Documents / Resources

8 Related Posts

Product Structure

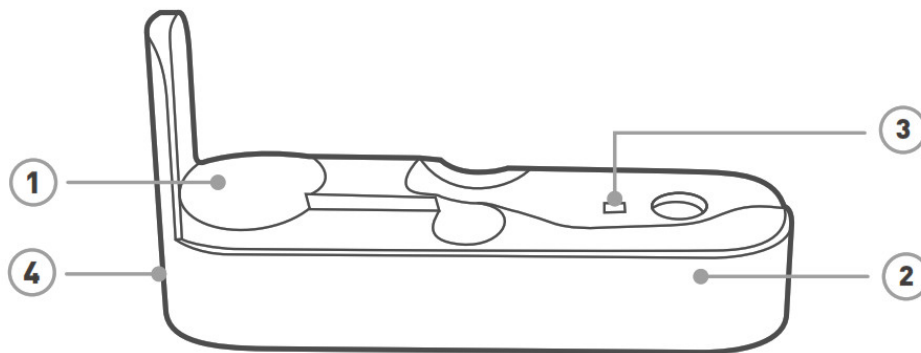
The following picture illustrates the parts, controls and charging station of MarsCat.

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)

Charging Station



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

Note on Use

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.

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 comes 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.

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.

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.

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.

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 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 liquid.

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.

On handling the power adaptor

- 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/>.

On handling the SD card

- Do not take the SD cards 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/>.

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.

Network

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

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 the security of MarCat. Please use the dedicated app, MarsApp, to keep your MarCat updated.

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
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

WARRANTY CARD

Customer Information (Required)_____

Name_____ Phone_____ E-mail_____

Address_____ Date of Purchase_____

Product Information_____

MarsCat_____

Product Name _____Product Model_____

MARS-1001

If you need to apply for warranty service, please contact our customer service to confirm the detailed information. After confirmation, please fill in the card and send it back together with the product and the attached invoice.

Note: Our company reserves the right to explain and modify the warranty card of this product within the scope of the law.

Warranty Clauses

- One year limited warranty on electronic products; ninety-day limited warranty on non-electronic accessories, as well as servos and other structural parts
- 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 use 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

Non-Warranty Clauses

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

- The user cannot provide the corresponding invoice, product warranty card or other vouchers
- The faulty parts belong to consumption materials (eg: natural wear and aging of pads or shells)
- Faulty or damage caused by accident or by human
- Other faults or damages not caused by product design technology, manufacturing, quality etc.

Special Statement

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

- The cost 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 losses caused during the usage of products normally (including damage to users' s data records or other tangible or intangible assets).

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Documents / Resources

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Manuals+.