# Meteer

User Manual V1.0

# Content

# In the Box

Meteer

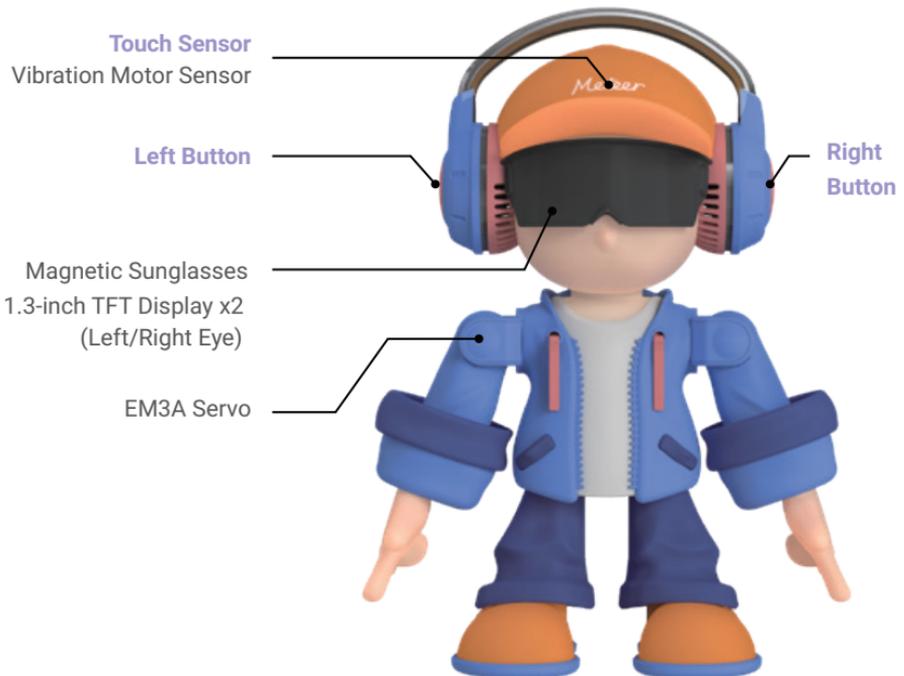

User Manual



Reset Needle

Type-C USB Cable

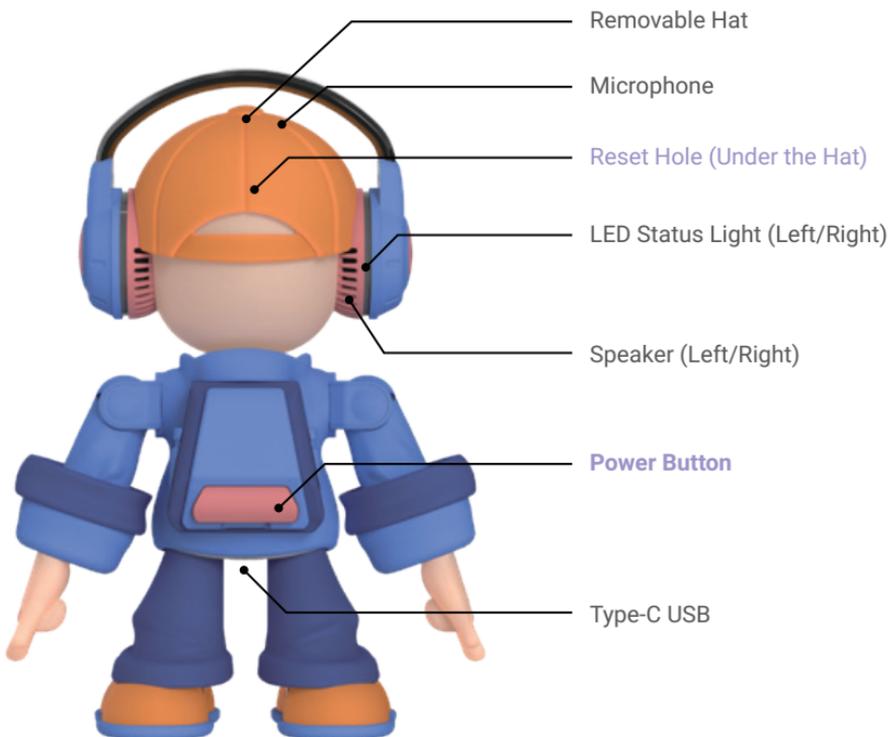# 1. Get to Know Meteer

Dance, Music, and AI: Bring Joy Home.

Equipped with an AI chip and cutting-edge technology, Meteer trendy desktop robot features a uniquely crafted design. Its flexible body, exquisite lines, and **stylish colors**, paired with **vibrant eyes & expressions**, allow it to instantly become the focal point whether placed on an office desk or a bedside table, adding a touch of futurism and technological charm to the entire space.

# 2. Body & Button

**Touch Sensor**
Vibration Motor Sensor

**Left Button**

**Right Button**

Magnetic Sunglasses
1.3-inch TFT Display x2
(Left/Right Eye)

EM3A Servo

Meteer Trendy Desktop Robot energizes you with **music, dance, and a powerful brain!** Meteer also serves as an excellent life assistant, featuring voice interaction capabilities that allow it to understand your questions and provide accurate answers. Whether it's for information queries, content writing, or casual conversation, it handles everything with ease. It can be a companion during work or study, adding a touch of fun to monotonous moments.

The design of Meteer is inspired by garage kit culture, featuring a unique and personalized appearance that showcases a vibrant and creative sense of artistic fashion.

Removable Hat

Microphone

Reset Hole (Under the Hat)

LED Status Light (Left/Right)

Speaker (Left/Right)

**Power Button**

Type-C USB

3

# 3. Network Configuration & Activation

## 3.1 Power ON, enter Network Configuration Mode



Long press the power button for 4s to power ON

It will enter network configuration mode and automatically search to the network.



Voice prompt

Entering distribution network status. Please use the APP to configure the network.

## 3.2 Network configuration, product activation

**1**
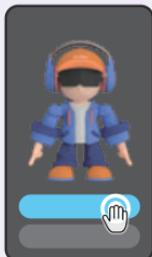
Download the Meteer APP on the mobile device.

Meteer App

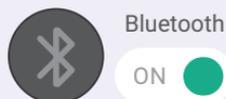 Apple Store

 Google Play

**2**

Open the Meteer APP and tap "WiFi Configuration" to enter the search interface.

**3**

Enable Bluetooth and connect to a 2.4G Wi-Fi network (5G not supported).

Bluetooth
ON

2.4G WiFi
ON

**4** Click "Search for Bluetooth Devices."



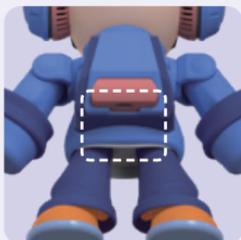**5** When "Meteer Robot BLE" appears, click "Connect."
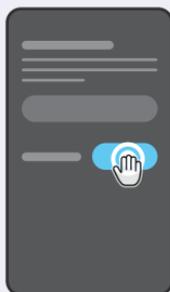


**6** Enter the Wi-Fi password and product serial number, then click "Connect Wi-Fi."

The product serial number can be found in the following locations:



Near the packaging barcode



Near the Type-C USB port



Setting - Version Information

**7** Connection successful.

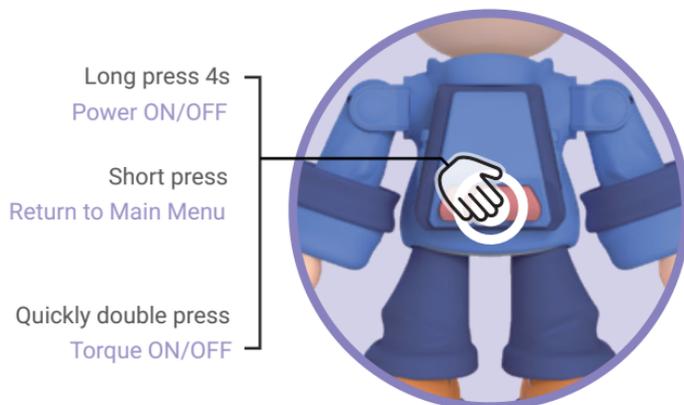# 4. Functions & Gameplay

**Voice Chat (default)**

**Bluetooth Mode**

**Just Dance**

**Voice Changer**

**Choreography Master**

**Setting**

Touch the head
Confirm

Short press
Switch to the previous option.

Short press
Switch to the next option.

Long press 4s
Power ON/OFF

Short press
Return to Main Menu

Quickly double press
Torque ON/OFF
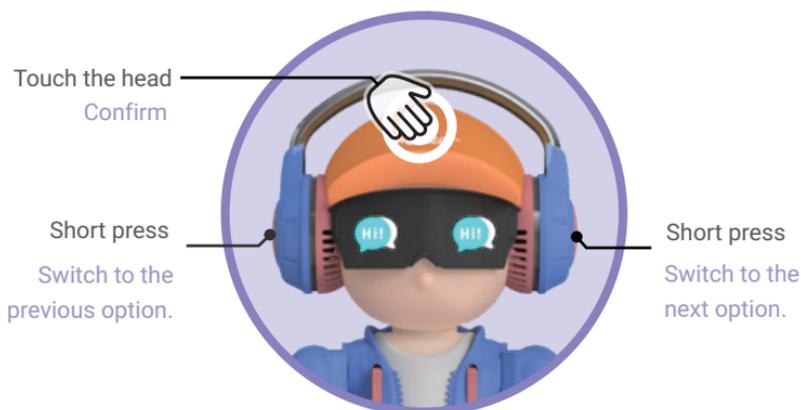
The default torque is OFF; joints will perform actions based on current status. When entering a specific function, quickly double press the power button twice to close torque, allowing the joints to move freely.

## 4.1 Voice Chat



Touch the head

Enter [ Voice Chat ] and automatically search to the network.

Press the left/ right button
Adjust the volume

Double press the power button
Turn ON/OFF actions

After a successful network connection:
Touch the head or say *"Hi Meteer"* to wake up or interrupt the conversation.

*Other than the volume prompt sound in the setting function, there are no sounds in other functions. For the best interactive experience, please **avoid lowering the volume to the minimum.**

| Voice Command Library | | |
|---|---|---|
| Learn About Meteer | Hi Meteer, what are your functions? <br> Hi Meteer, what will you do? | Meteer will tell you about its skills. |
| Make Meteer Move | Hi Meteer, go (ahead). <br> Hi Meteer, back/backward. <br> Hi Meteer, (turn) right/left. | Meteer will move according to your instructions. |
| Enjoy Music with Meteer | Hi Meteer, dance for me. <br> Hi Meteer, music. | Meteer will perform songs and dances for you; the louder the volume, the more fantastic the dance. |
| ChatGPT | Hi Meteer, what did you do today? <br> Hi Meteer, can you tell me a story? <br> Hi Meteer, how many gifts does Santa have? <br> ... | Meteer will chat with you about anything you're interested in. |

# 4.2 Bluetooth Mode
## 4.2.1 Connect Bluetooth



**1** Touch the head

Enter [ Bluetooth Mode ] and automatically search to Bluetooth.
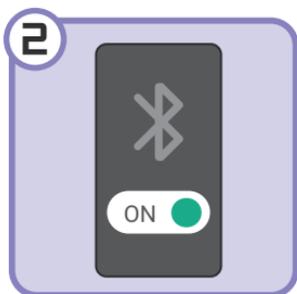


**2** On the mobile device, turn ON Bluetooth and connect to the "Meteer Robot" device.



**3** Connection successful.

Voice Prompt

Connection succeeded.

After a successful Bluetooth connection, you can use Bluetooth music or Bluetooth remote control functions (P9).

Note

Press the left/right button
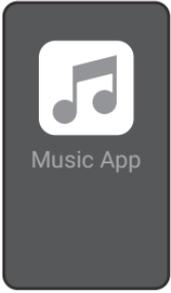Adjust the volume

Quickly double press the power button
Turn ON/OFF the accompanying dance

Touch the head for the 3s
(while connecting to Bluetooth mode)
Disconnect Bluetooth

## 4.2.2 Bluetooth Music

Music App

After a successful Bluetooth connection, open the music app on the mobile device.

While playing music, Meteer will dance to the rhythm.
The louder the volume, the more fantastic the dance.

Button Interaction
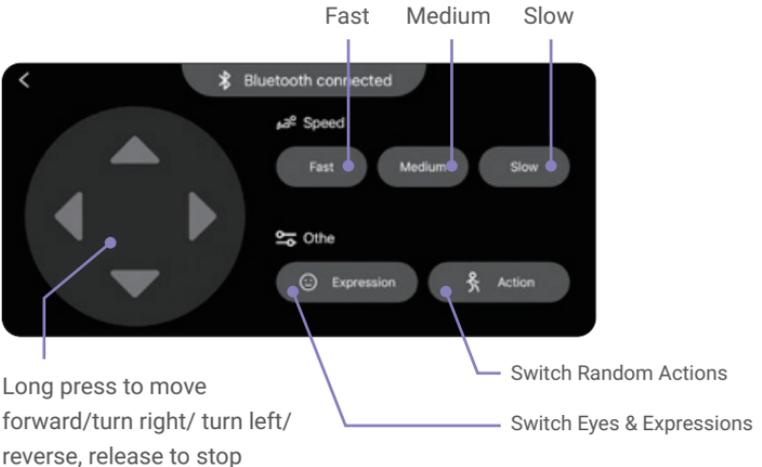
Touch the head
Play/Stop Music
Answer/Hang Up Call

Long Press Left/Right Button
Switch Music

## 4.2.3 Bluetooth Remote Control

After a successful Bluetooth connection, open the Meteer APP on the mobile device and tap "Bluetooth Remote Control" to enter the remote control interface.

*When using Bluetooth remote control, the accompanying dance feature of Bluetooth music and ( Button Interaction ) are disabled; only the Music App can control the music.

Fast    Medium    Slow



Long press to move
forward/turn right/ turn left/
reverse, release to stop

Switch Random Actions

Switch Eyes & Expressions

# 4.3 Just Dance



**1**

Touch the head
Enter [ Just Dance ]



**2**

Press the left/right button
Select a dance style

Real-time Beat Style

Normal Style

└ Touch the head, confirm.



**3**

Touch the head
Start playing a song

10
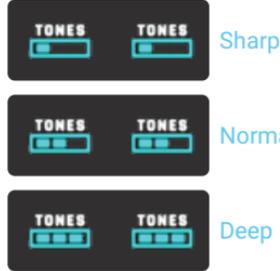
# 4.4 Voice Changer



**1** Touch the head
Enter [ Voice Changer ]



**2** Press the left/right button
Select the voice tone

| TONES | TONES | |
|-------|-------|------|
| TONES | TONES | Sharp |
| TONES | TONES | Normal |
| TONES | TONES | Deep |

└ Touch the head, confirm.



TONES Deep Voice Tone

Hey, ready for a dance challenge?



Meteer

Hey, ready for a dance challenge?

# 4.5 Choreography Master

**1** Touch the head
Enter [ Choreographer Master ]

**2** Choreography Steps

① Move the joints to perform an action.

② Short press the left button to switch random expressions.

③ Short press the right button to record the actions and expressions.

Proceed to edit the next action (up to 100 actions).

After completing the choreography

**3** Touch the head

Play the dance you just edited, accompanied by background music.
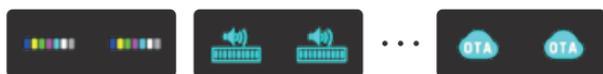
# 4.6 Setting
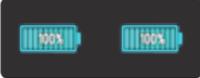


**1** Touch the head
Enter the [ Setting ] interface



**2** Press the left/right button
Switch options

└ Touch the head, enter the setting submenu.

| Setting Submenu | | |
|---|---|---|
| | Ambient Light Color | Press the left/right button to switch the light, touch the head to confirm, and return to the previous option. |
| | Volume | Press the left/right button to adjust the volume, touch the head to confirm, and return to the previous option. |
| | Wi-Fi Connection | Touch the head to confirm the network reconfiguration. The configuration process is the same as described in P4-5. After completing the configuration, the device will automatically enter [Voice Chat]. |
| | Battery Level | Check the current battery level. |
| Version SN: xxxx-xxxx-xxxx | Version Information | Check the current firmware version number and SN code. |
| OTA | OTA | Cloud firmware upgrade(P14). |

# 4.6.1 OTA

**1** Touch the head
Enter [ OTA ]

Voice Prompt

Warm reminder the OTA upgrade is coming. To avoid upgrade failure due to insufficient power, please plug in the charger before upgrading.
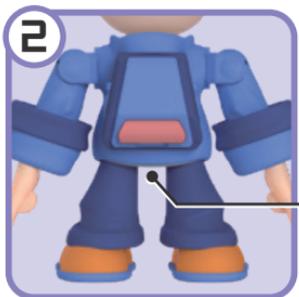
**2** Type-C USB
Insert the charger, it will automatically search for new firmware.

**3** After the search is complete

If new firmware is available

Voice Prompt

Please confirm whether to perform firmware upgrade operations.

└ Touch the head, confirm the upgrade.

The device will automatically shut down after completing the upgrade, and the new firmware will run the next time it is powered ON.

If no new firmware is available

After the prompt plays, it will return to the previous option

# 5. Safety Statement
## 5.1 Precautions

## 5.1.1 Charging

The recommended charging time is 70 minutes.

| | |
|---|---|
|  | Not Fully Charged |
|  | Fully Charged |

You can wake it up by touching the head during sleep mode.

 Low Battery
A notification will indicate low battery, followed by shutdown.

Type-C USB
Input Power: 5V-2A

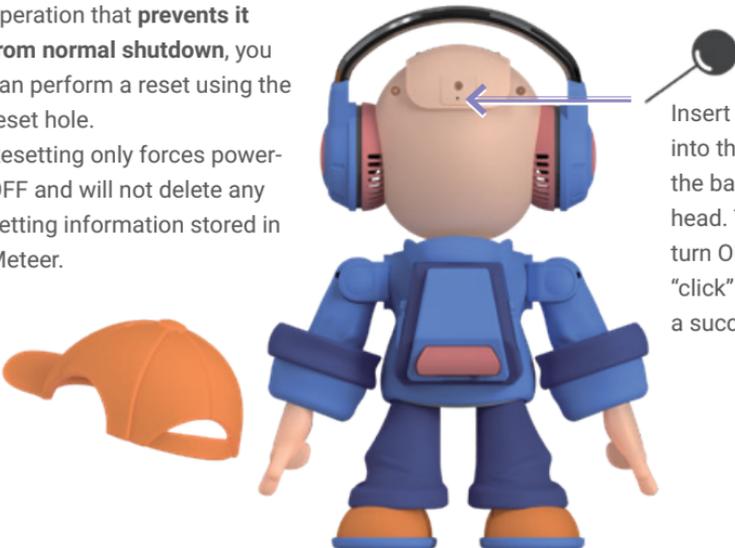## 5.1.2 Hard Reset

If an anomaly occurs during operation that **prevents it from normal shutdown**, you can perform a reset using the reset hole.
Resetting only forces power-OFF and will not delete any setting information stored in Meteer.

Insert a reset needle into the reset hole on the back of Meteer's head. The display will turn OFF after hearing a "click" sound, indicating a successful reset.

# 5.1.3 Troubleshooting

**[1] Abnormal Freezing**

If Meteer experiences freezing, check if there are any incomplete operations or improper operations in the current process, causing an inability to proceed to the next step;

If the operation is correct, try pressing the power button to return to the main menu;

> If unable to return to the main menu, try powering OFF and then restarting;

> > If unable to power OFF, try resetting it using a reset needle.

**[2] Unable to Connect to the Network**

If Bluetooth devices cannot be found, check if Bluetooth is turned ON on the mobile device.

> If it is turned ON, check if it is being used by another mobile device.

> > If the network connection fails, ensure the WLAN connected to the mobile device is 2.4G (5G is not supported);

> > > If it is 2.4G, try switching to a mobile hotspot.

**[3] Bluetooth Remote Control Not Working**

If the app shows no response when clicking "Bluetooth Remote Control", check if Bluetooth is turned ON on your phone;

> If Bluetooth is turned ON, and "Bluetooth not connected" is promoted after entering "Bluetooth Remote Control," please confirm that Meteer is in [ Bluetooth Mode ].

> > If Meteer voice prompt says "Bluetooth connected," it may be connected to another mobile device. Please turn OFF Bluetooth on other devices and try again.

**[4] Firmware Upgrade Failure**

If the firmware upgrade progress bar is stuck, it may be due to an unstable network. Please try to reconnect and upgrade using a mobile hotspot.

> If you cannot return to the main menu, try turning it OFF; if you cannot turn it OFF, please try to perform a hard reset.

**[5] No Accompanying Dance**

If there are no dance movements while music is playing, it may be due to the volume being too low. Please turn the volume up to maximum.

> If this does not work, the torque may be closed. Quickly double press the power button to open torque.

# 5.2 Specifications

**Size:**
230.6 x 154 x 117.5 mm

**Weight:**
590 g

**Material:**
ABS + PC + Food-grade Silicone

**Display:**
1.3" 240 x 240 TFT *2pcs

**Servos:**
EM-3A *11pcs

**Speakers:**
4Ω 2W *2pcs

**Microphone:**
2- Microphone Array

**Audio Processor:**
Double core RISC 32-bit CPU, 320 MHz

**Co-Processor:**
Cortex M4, 168 MHz

**Memory:**
SD NAND: 4 GB

**Wi-Fi:**
Only supports 2.4G

**Input Power:**
USB Type-C; 5V 2A

**Charging Time:**
Approx 70 minutes (25° C) from empty to fully charged

**Battery Capacity:**
2500 mAh Lithium-ion rechargeable battery

**Operating Time:**
Approx 2 hours of continuous use in a fully charged state
* May shorten depending on usage and setting (such as volume)

**Operating Temperature:**
-20 ~ +60° C

# 5.3 Security Instructions

**Avoid Swallowing:** Ensure that the product is suitable for the appropriate age group, prevent small parts from being accidentally swallowed by children.

**Stable Placement:** Place the product on a stable surface to avoid falls or tilting.

**Keep Away from Liquids:** Avoid placing the product in damp environments to prevent circuit damage.

**Regular Inspection:** Check regularly for any damage or wear to ensure safe use.

**Battery Safety:** Follow proper charging procedures to avoid leakage or short circuits.

# 5.4 Maintenance

**Regular Cleaning:** Use a soft cloth to clean the product regularly, preventing dust accumulation.

**Avoid Chemical Cleaners:** Do not use harsh chemical cleaners during cleaning to avoid damaging the surface.

**Storage Environment:** Store the product in a dry, cool place, away from direct sunlight.

**Check Connections:** Check regularly for all cables and connection components to ensure there are no loose or damaged parts.

**Follow Instructions:** Always operate and maintain the product according to the guidelines in the user manual.

# 5.5 Warranty Policy

We are committed to providing the following warranty services for this product:
**Warranty Period:** This product has a warranty period of 90 days from the date of purchase.
**Warranty Coverage:** The warranty covers defects caused by materials or workmanship. Issues arising from normal use will be repaired or replaced free of charge.

**Exclusions from Warranty Coverage:**
- Damage caused by misuse, abuse, accidental damage, unauthorized modifications, or repairs.
- Issues resulting from failure to operate or maintain the product according to the user manual.
- Normal wear or tear and aging.

**Warranty Process:** Please contact the customer service team within the warranty period, providing proof of purchase and a description of the issue.

**Cost Information:**
- Repairs or replacements that meet warranty conditions will be provided free of charge within the warranty period.
- Services beyond the warranty period or those not meeting warranty conditions will incur relevant charges based on the specific situation.

# 5.6 Regulatory Compliance

**FC**

**FCC-ID**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

## CE

**CE-RED**

This device complies with the EU Radio Equipment CE Certification RED Directive 2014/53/EU basic requirements and other relevant regulations.

**EN71**

The EUT described above has been tested by us with the listed standards and foundin compliance with the council directive 2009/48/Ec. lt is possible to use CE markingto demonstrate the compliance with this directive 2009/48/EC.
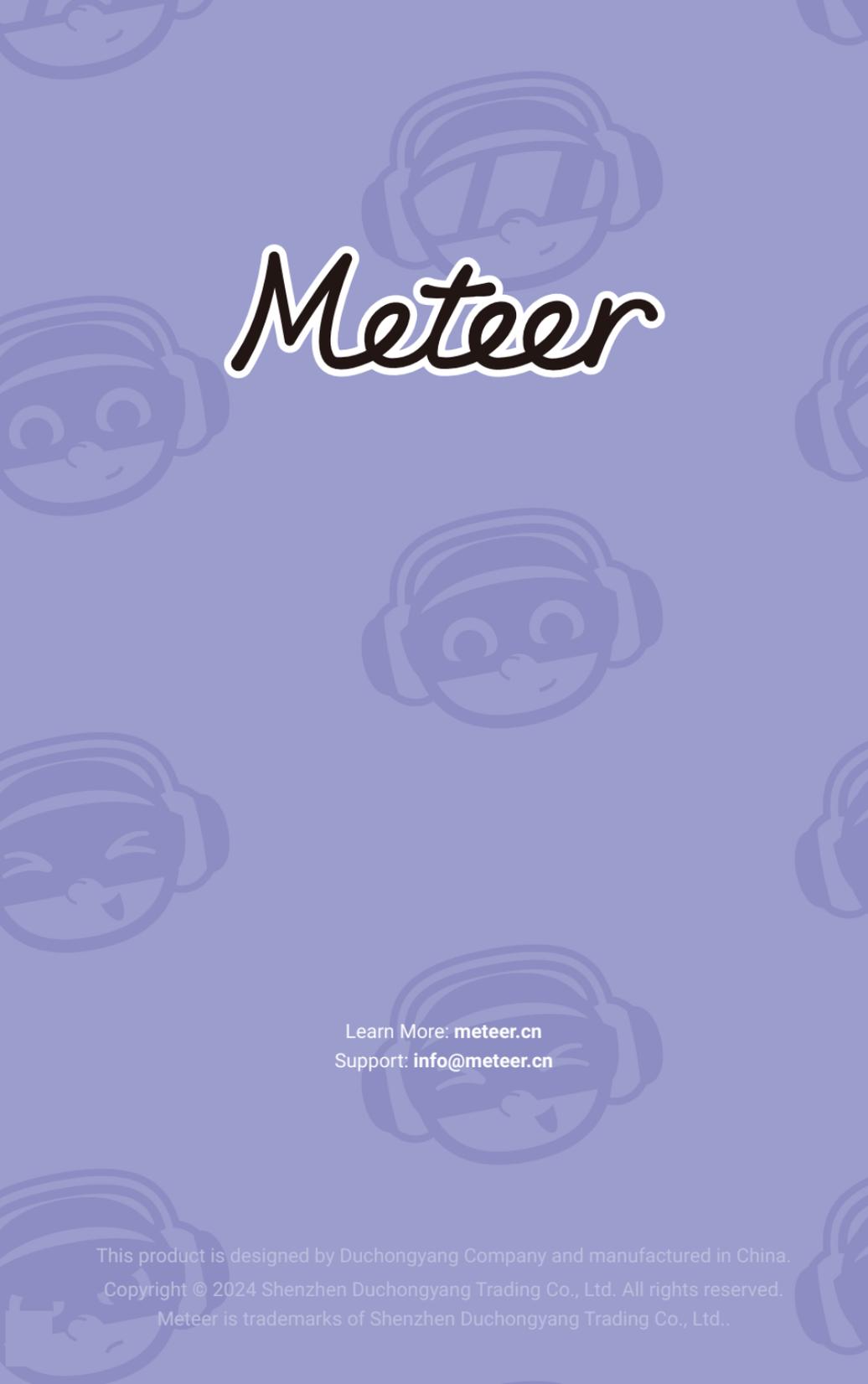
## CPC

**CPC**

This device complies with the CPC certification for toys in the United States.

## RoHS

**ROHS**

Directive(EU)2017/2102.

The Certificate of Compliance is based on a test procedure or an evaluation of the above-mentioned product. This is to certify that the above-mentioned product is in compliance with the ROHS 2.0 Directive -2011/65/EU Annex I (EU)2015/863 as last amended by Directive(EU)2017/2102.

# Meteer