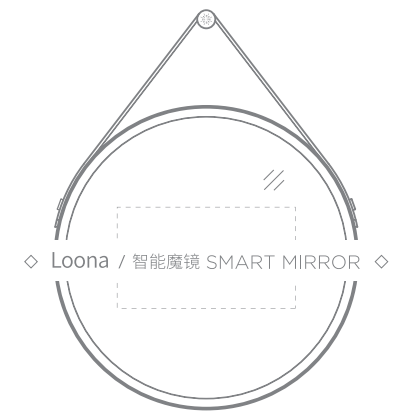




loona INCREDIBLE CHANGE 智能魔镜

13.3" RC133N1



All pictures in this manual are for reference only, actual product may differ. No further notice will be released on small modifications.



Thank you for purchasing this RAYSGEM smart mirror. Before installation, please read this user manual first and keep it with you for later reference.

Warning

Do not try to open the mirror in case of electric shock

Note: In case of electric shock, please do not try to open the mirror.
When malfunction happens, please consult a profession before you open the mirror.



This is a sign of high voltage danger. Any contact with the internal parts can be extremely dangerous.



This is for important notes of how to maintain the mirror.

- Please keep the mirror away from any heat or under direct sun light.
- Please keep the mirror away from anything that can generate heat, such as candles, ashtrays, incensation, combustible gas or explosive substance.
- Please do not overload your wall sockets, extension power cables.
- Please place the power cable properly without anything pressing again the power cable.
- For safety reasons, please unplug mirror power in storm weather or when you won't be using mirror for a long time.
- Please use proper direct current supply for the mirror. Make sure your local DC power is within safety range.
- In case of any electric shock, please do not insert any metal object into mirror sockets.
- Please make sure power jack is plugged in tightly into your power socket. Unplug power jack when you disconnect the mirror.
- Please do not touch mirror's power cable with wet hands.
- In case of any malfunction, especially when there's unusual sound or smell coming out of the mirror, please unplug the power and contact your supplier immediately.
- If you'll be leaving the mirror unused for a very long time or traveling with our senior family members, children and people with disabilities at home, please make sure to unplug the mirror.
- Too much dirt on the power socket or cable might generate heat and cause insulation aging, please keep it clean in case of electric shock and fire.

- Please make sure your power socket is well grounded in case of electric shock or damage to the mirror.
- To unplug the mirror is to unplug from your power socket, for convenience, we recommend you to use power socket with its own ON/OFF switch.
- Please do not allow children to play with the mirror.
- Please install the mirror in a safe place, any wobble or tilt installation puts mirror in a vulnerable position.
- In case of fall and damage to the mirror, please unplug the power and contact your local supplier immediately.
- Unplug the mirror before you clean it. Use soft and dry cloth to wipe it clean. Do not use any chemical solution on the mirror surface for it might erode the mirror.



Warning- In case of fire, please keep the mirror away from candles or any other fire or heat.

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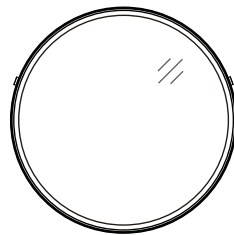
6 Others

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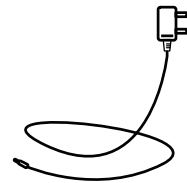
1 Quick Guide

Package

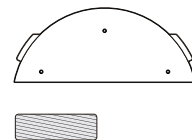
Standard LOONA Mirror package contains items as below. Please contact your local retailer if anything is missing. Some of the items in this manual may differ from your mirror on color or shape because of customization or model.



LOONA Mirror*1



Power adapter * 1



Wall bracket * 1
3M adhesive tape



Leather Band * 1



User Manual * 1



Wall anchor *1

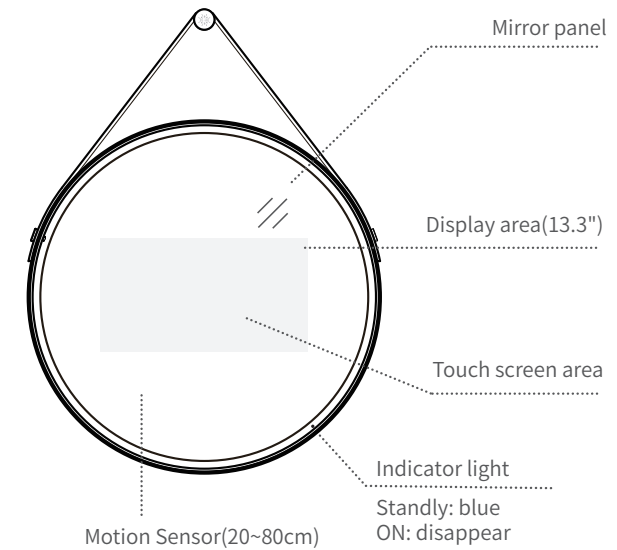


Setscrew * 4
Dilating screw * 4

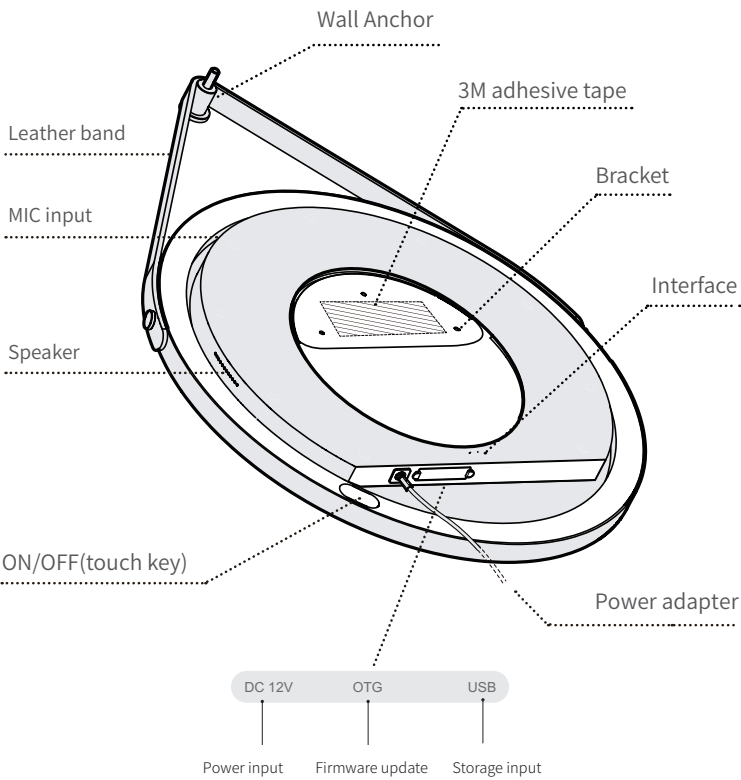
LOONA Introduction

Adding display, sensor and a smart solution to a traditional lighted mirror, LOONA brings a new way for people to entertain in front of a mirror. It helps to build a smart home system for kitchen and bathroom. Open system offers a comprehensive platform for home automation.

Front View



Back View



Quick Guide

1、Start up & Shut down

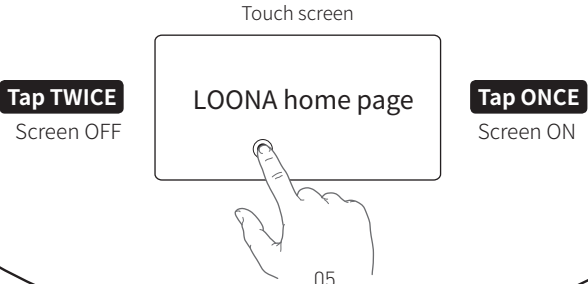
① Start up: Press ON/OFF(touch) button on the back side of the mirror for 2 seconds, LOONA will boot up until homepage appears.



② Shut down: Press ON/OFF(touch) button on the back side of the mirror for 10 seconds, LOONA will shut down.



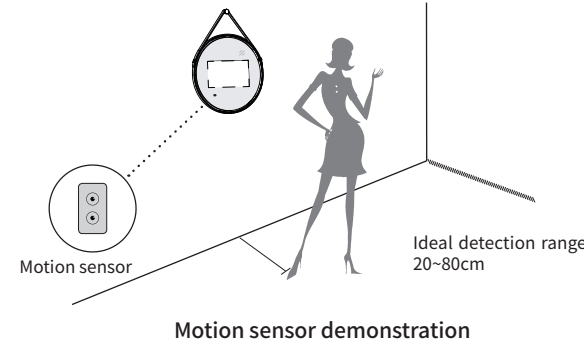
③ Display ON/OFF: When LOONA is ON and at home page, tap TWICE on screen will turn off the display, tap ONCE to wake up the display.



Quick Guide

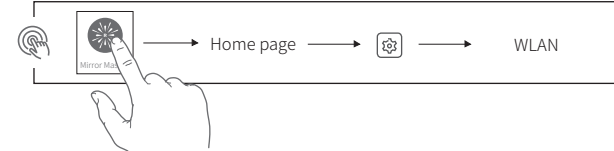
2、Motion Sensor

When LOONA is on standby, it'll turn on the screen when the motion sensor detects a person is approaching. LOONA will turn OFF the display after 3 minutes if not in use. Screen timer can be set by users.



3、WLAN network setting

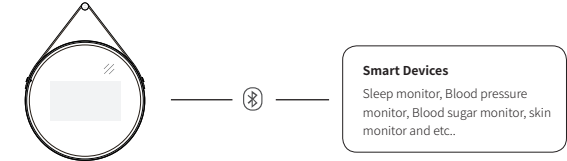
Run Mirror Master App, enter home page>setting>WLAN>ON, enter Wi-Fi password. Once connected, there'll be a pop up message on screen.



Quick Guide

4、Blue tooth

LOONA blue tooth is ON by default. Once external devices(Sleep monitor, Blood pressure monitor, Blood sugar monitor and etc..) are ON, they will pair with LOONA automatically.



5、LED light control

On Mirror Master homepage, go to SETTING>turn ON/OFF the LED lighting.

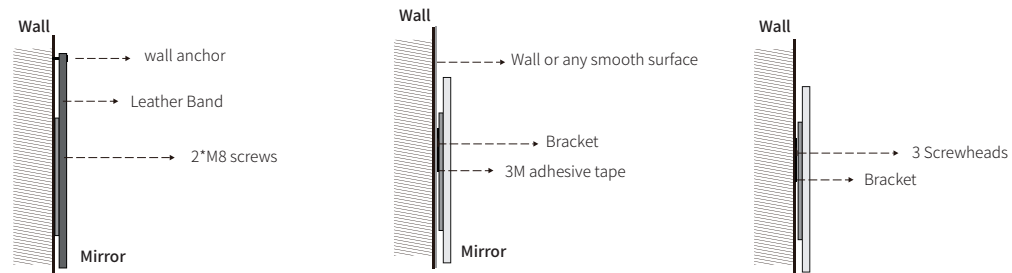


6、Connect to external smart devices

Different smart devices work with mirror through different protocols, LOONA supports Wifi, ZigBee and blue tooth. Refer to smart device user manual for demonstration.

2 Installation

Installation



1 Hang with Leather Band

1. Use 2*M6 screws to fix Leather band to the Mirror,
2. Use Wall anchor set to nail 1*M8 screw to the wall,
3. Hang the mirror with leather band on the wall anchor.

2 Hang on a smooth surface

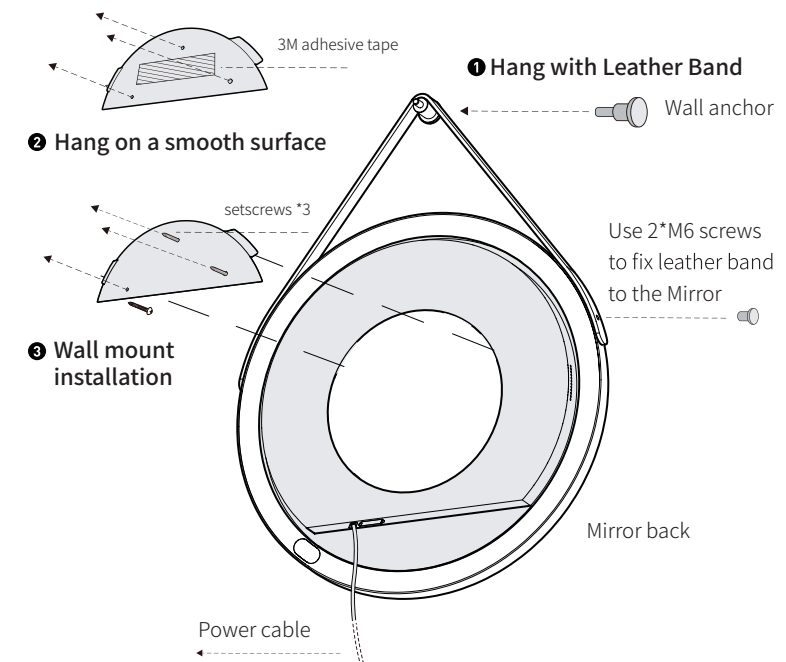
1. Make sure the surface is clean and dry, glue bracket to the surface with 3M adhesive tape.
2. Take out wall bracket and 3M adhesive tape from the package. Clean the surface of your installation spot. Stick the 3M adhesive tape onto the bracket and place the bracket to installation surface.

3 Wall mount installation

1. Fix bracket to the wall with 3 wall anchors & 3 set screws
2. Hang mirror on bracket

i Notes: Hang mirror to the bracket after 24 hours

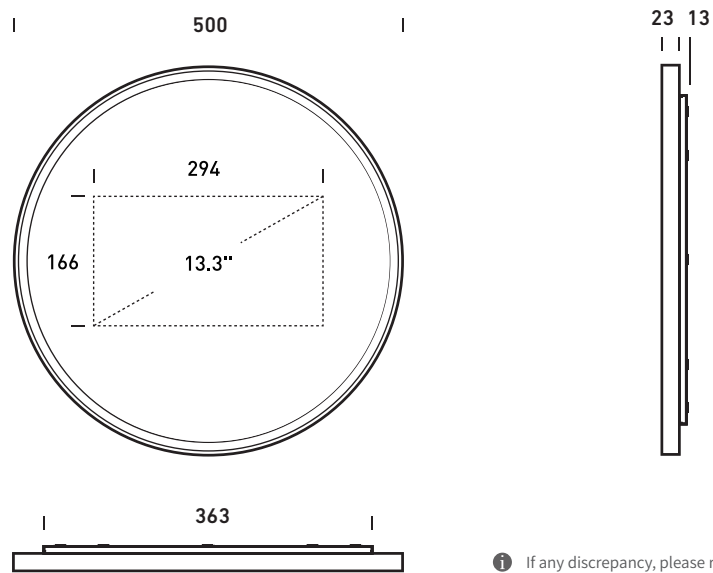
Demonstration



i During installation, be careful not to scratch the Mirror.

3 Dimension

Dimension/mm



 If any discrepancy, please refer to current model.

4 Specification

Specification

Display		
Display size	13.3"	
Display type	IPS	
Display ratio	16:9	
Resolution	1920 x R.G.B x 1080	
Brightness	350 cd/m2 (Original LED screen)	
Contrast ratio	1000:1 (refer to actual model)	
Viewing angle	178° (H) X 178° (V)(refer to actual model)	
Response time	16ms	
Working life	≥20000 Hour	
Configuration		
CPU	Rockchip 3288	
Frequency	Cortex A17 1.8GHz	
GPU	Mali-T764	
Image processor	OPENGL ES1.1/2.0/3.0, OPEN VG1.1,	
	OPENCL, Directx11	
	2D/3D	
	4K, H.265 decoder	
RAM	2GB	
ROM	8GB(64G Optional)	
Wifi	2.4G/5G double frequency 802.11a/b/g/n	
Blue tooth	Blue tooth 3.0	
OS	Android 5.1.X	
Waterproof capacitive touch screen	YES(10 points)	
Speaker	2*2 W	
Power ON/OFF	YES	
Motion sensor	YES(20~80cm)	
Zigbee Module	Optional	
Interfaces	DCIN	1
	OTG	1
	USB	1

Specification

Power/Consumption

Power input	DC 12V 3A
Consumption	≤ 36W
Standby	≤ 0.5W

Working / Temperature & Humidity

Working humiture	0~45℃ /20-90%RH
Storage humiture	-20~60℃ /5-90%RH

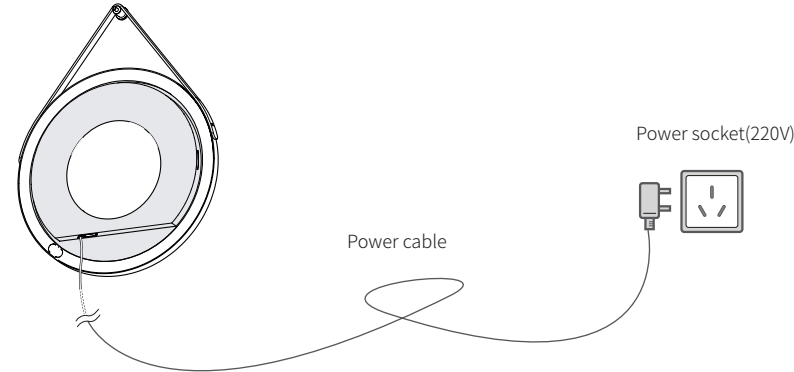
Dimension/Material/Process

General size	Φ500mm
Thickness	36mm
Mirror panel	Diamond level coated glass
Material	Aluminum-alloy rim, plastic back
Waterproof	IP65

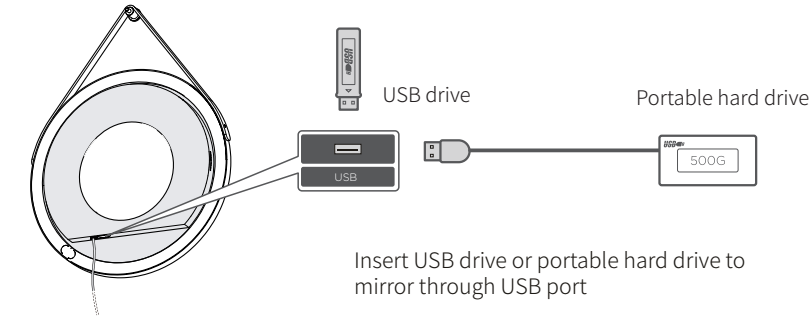
i This is a comprehensive spec sheet, if any discrepancy, please refer to actual model.

5 Connection

Connect to power



Connect to USB drive



i Note: Please do not insert USB to OTG.

⑥ Others

Notes

1. Use only original power cable that comes with the Mirror.
2. Keep power cable in good shape and condition.
3. In any case of malfunction, unplug the Mirror immediately.
4. Unplug the Mirror if you won't be using it for a long time.

In any case of malfunction, before sending the mirror for maintenance, please read the following instructions and solution.

Troubleshooting

Troubleshooting is only for users who are facing major operating issues on the Mirror. If users should have problems with specific functional page, please go to your retailer to get user manuals on specific functions.

Couldn't start up LOONA mirror

1. Check if power jack is loose.

No image/sound or bad display

1. Make sure settings are properly adjusted.
 2. Call your supplier or this service number 4008 852 258
-

Correct disposal of this product

(Waste Electrical & Electronic Equipment)

This marking on the mirror, accessories or literature indicates that the Mirror and its electronic accessories should not be disposed of with other household waste at the end of their working life.

Household users should contact either the retailer where they purchased the Mirror or their local government office, for details of where and how they can take these items for environmentally safe recycling.



FCC Statement

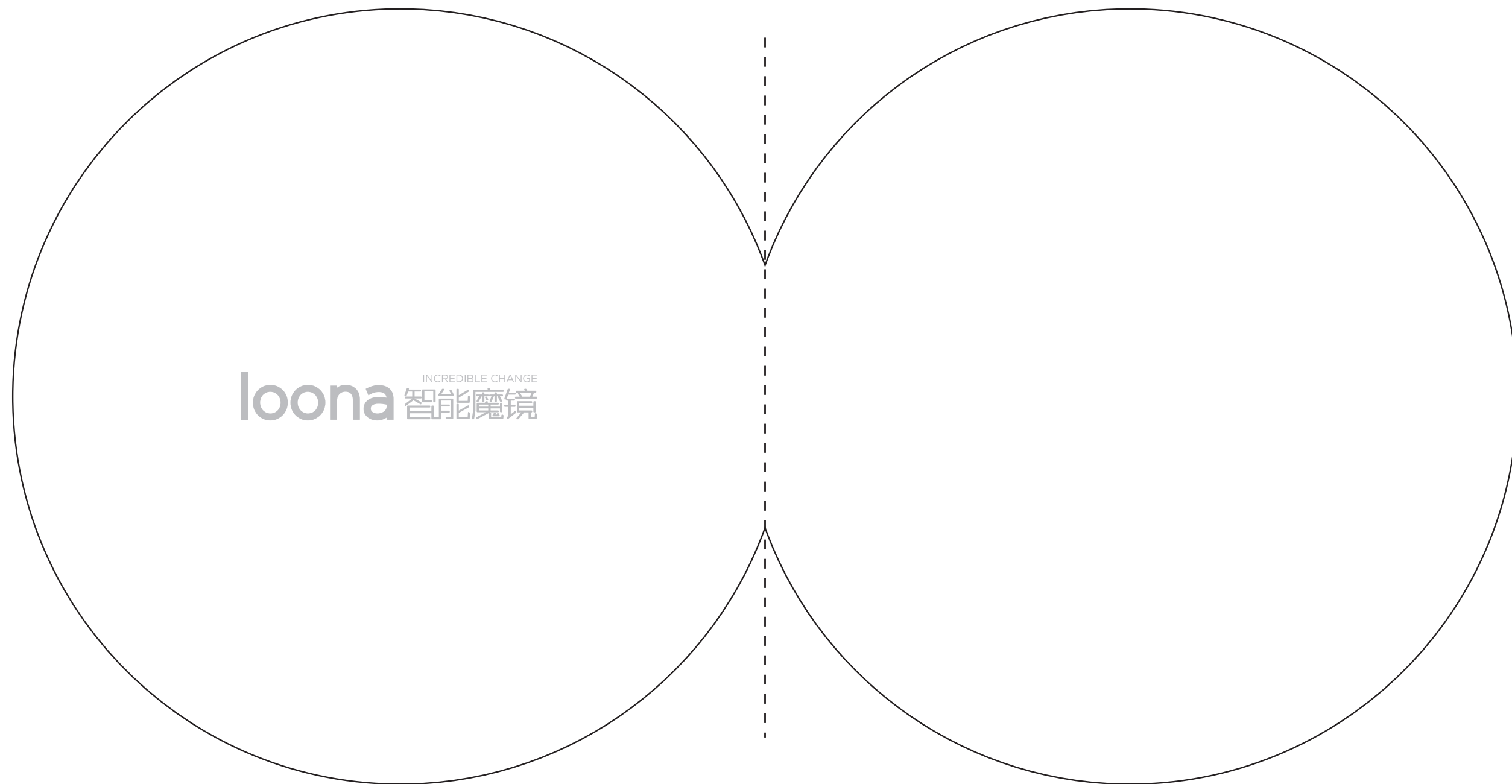
1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the users’ authority to operate the equipment.
3. To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.
4. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter

FCC Caution

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.

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



loona

INCREIBLE CHANGE

智能魔镜