

maxell

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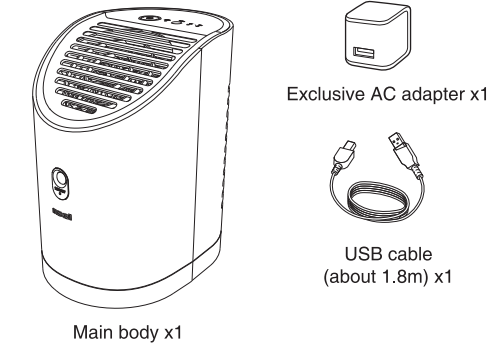
MXAP-APL250

rev.01

User manual

Thank you very much for buying this product. Please read the user manual in advance and use the product safely. Please take reference to the attached appendix if there is any.

Content of the package



1 Preface

About the user manual

- Contents of this user manual might be changed in the future without prior notice.
- For product improvement, change of appearance or specification might not be announced in advance.
- Except for personal use, any unauthorized copying of part or all parts of this manual is prohibited. Unauthorized republication is strictly prohibited.

Disclaimer

- Maxell shall not be responsible for any damage caused by fires, earthquakes, action of a third party, any accidents, intended or unintended misuse or other usage under abnormal conditions.
- Maxell shall not be responsible for failure due to any damage caused by usage other than described in the instruction manual.
- Maxell shall not be responsible for any loss resulted from malfunction when connecting to interconnecting devices.
- This product is not being designed to be any equipment or device which could be concerned with human life such as medical device, nuclear device, astronomical device, transportation device etc., nor equipment or devices which requires high reliability. In case this product is used for the above equipment and/ or systems, Maxell do not responsible for any injuries or fire accident cause by the failure of this product.

2 Safety Caution

Please strictly follow and use safely.

	WARNING Warning refers to "Misuse which might lead to death or serious injury¹."
	CAUTION Caution refers to "Misuse which might lead to injury² or damage³."

- *1: Serious injury refers to blindness or injuries, burnt, electric shock, bone fracture, poisoned or injury with after-effect, or resulted in hospitalization or long-term follow-up consultation.
- *2: Injury refers to burnt, electric shock which do not result in hospitalization or long-term follow-up consultation
- *3: Damages refers broad damages to houses or properties and domestic animals/ pets.

Example of Symbols		△ stands for caution to fire, explosion, high temperature when handling the product. Details will be illustrated inside the symbol. (e.g.: △ Beware of electric shock)
		⊘ stands for prohibited actions when handling the product. Details will be illustrated inside or next to the symbol or with written description next to it. (e.g.: ⊘ Remodelling prohibited)
		● stands for instruction which must be followed, Details will be illustrated inside or next to the symbol or with written description next to it. (e.g.: ● Remove the plug from the socket)

WARNING

- Please do not use in a place which cannot be ventilated.
- Please use this product with the air outlet separated from more than 30cm. (Please do not place any objects within 30cm from the air outlet.)
- Please choose appropriate mode according to the using environment. Check the operation mode standard and do not use at places smaller than mentioned. Using under wrong environment may harm humans or pets, or may lead to damage to properties.
- Please do not use in location close to oily smoke, flammable gases or metallic dust. It may cause fire or smoke.
- Please keep it out of reach of children to prevent electric shock or injury.
- When the product is used near small animals, please pay attention to their condition.
- Material such as natural resin which ae easy to oxidize could depreciate rapidly when they are kept too close to the product.
- Please stop using this product and ventilate the air, if you feel a change in physical condition such as a headache.

WARNING

Abnormalities and malfunction

- **Stop use and remove the adapter from the socket immediately**
If the device produces smoke, odor or noise, or water and foreign objects enters the device, stop use immediately and remove the adapter. Continuation of use may cause smoke, fire, electric shock and etc.

Device · Adapter · Cable

- **Do not repair, disassemble or remodel**
This may cause fire, electric shock or injury.
- **Do not contact with water**
Do not pour water on the device or dip it into water. This may cause electric shock or fire.
- **Stop use after dropping and damage to the device**
Continuation of use may cause electric shock, fire or injury.
- **Use and store properly at places out of children's reach**
This may cause electric shock or injury.
- **Do not put into fire**
Do not put the device into fire or heat it. This may cause overheat, fire or damage the device.
- **Do not put into refrigerators**
This may cause malfunction.
- **Do not put into heating appliances such as microwave ovens or pressure cookers**
This may cause smoke or fire.
- **Do not use with wet hands**
This may cause overheating, electric shock or malfunction.

WARNING

Main Body

- **Do not use power input other than the USB port**
Use of power input other than the USB of 5V may cause overheating, fire, malfunction or injury.
- **Do not put finger or foreign objects (such as metal) inside the air outlet or air inlet**
This may cause electric shock or injury.
- **Do not put drinkable water, cigarette ashes and flammable objects inside the device from the air outlet or air inlet**
This may cause electric shock or fire.
- **Do not cover the air outlet or air inlet with your hands**
This may cause electric shock or malfunction.

AC Adapter and cable

- **Do not use any adapters or cables other than the exclusive AC adapter and cable**
This may cause fire or electric shock.
- **Do not use non-designated power input**
This may cause electric shock or fire. The power input of the AC adapter of this product is AC100~240.
- **Do not use at loosen sockets**
If it is loose between the AC adapter and the socket, do not use it. This may cause fire or electric shock.
- **Do not cover the AC adapter with cloth or other objects**
Trapped heat may deform the case and cause fire or electric shock.
- **Do not use AC adapter or cable if injured**
This may cause fire or electric shock.
- **Plug the AC adaptor down to its base family**
Partially plugged AC adapter may need to fire or electric shock.

Setting Up and Use

- **Please do not use in a place which cannot be ventilated**
- **Do not use in area smaller than the recommended size**
- **Please do not place any objects within 30cm from the air outlet**
Using under wrong environment may harm humans or pets, or may lead to damage to properties.
- **Please do not use in location close to oily smoke, flammable gases or metallic dust**
It may cause fire or smoke.
- **Do not use in humid locations**
Do not use in bathrooms, seashores, waterside or outdoor locations. Do not use in rooms with a highly functioning air humidifier. This may cause fire or electric shock.
- **Do not use in places subject to water**
This may cause fire or electric shock.

Maintenance

- **Remove the adapter during maintenance**
This may cause electric shock or fire.
- **Regularly clean the dirt on the AC adapter**
Regularly clean the waste or dirt. High humidity will cause poor insulation by dirt which may cause fire.
- **If there will be a long period of non-use, remove the AC adapter from socket**
Deterioration of insulation may cause electric shock and fire led by electric leak.

CAUTION

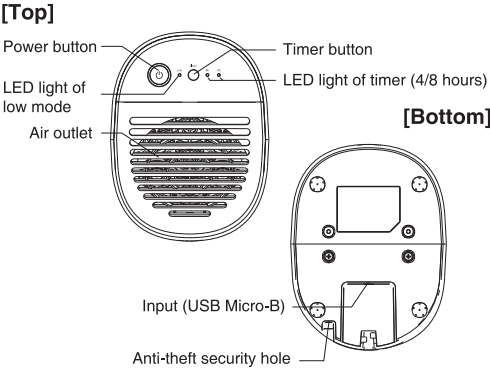
- **Do not place in locations in direct sunlight or with abnormally high temperature**
This may cause fire or deterioration of the surface and parts of the device. Do not place inside a closed car, in locations in direct sunlight or near heating appliances such as stoves.
- **Do not place in unstable locations**
Do not place on shaky platforms and slanted locations. Dropping and falling may cause malfunction.

- **Do not place in highly humid or dusty locations**
Do not place in locations such as bathroom, air humidifier, kitchen and dusty locations. This may cause electric shock or fire.
- **Do not place near television or radio**
If same socket is used for these types of products, this may cause disruption to sounds and images. Plug the AC adapter in another socket.
- **When dew condensation happens on this poduct, do not turn on power input**
Sudden changes in temperature may cause dew of the parts inside. Do not turn on the power input and set the device aside.

Maintenance

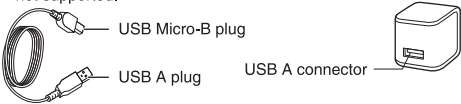
- **Do not use chemicals**
Do not use chemicals such as benzene, thinner or alcohol to wipe. Do not use penetrating oil. This may cause deterioration of the case and melting of parts.

3 Parts Indication



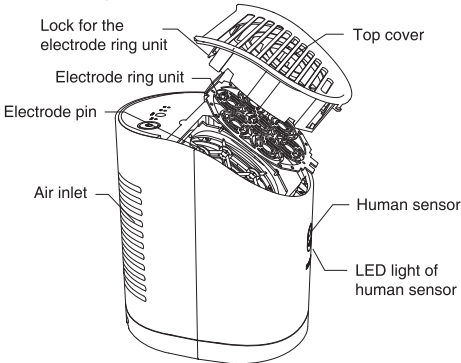
[USB cable]

※ Communication purposes not supported.



[Exclusive AC Adaptor]

[Main Body]



4 Usage

[Installation]

It is recommended to use this product for an area of about 10~26m² (Normal mode). ※ (Low mode: about 5-13m²)
Please confirm the area to be used and set up accordingly.
Do not use in area smaller than the recommended size.
This product is equipped with human sensor. Please read the section of "About the human sensor" and use in proper locations where misuse could be avoided.

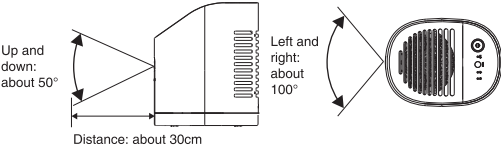
※ Suggested standards based on internal experiments, effects may vary with surrounding environment of use and length of operation time.

[About the human sensor]

The human sensor equipped with the device operates in response to the actions of heat sources (such as temperature changes brought by human actions) within its sensor area. When the human sensor activates, the LED light of power input (red) will flash, the LED light of human sensor (blue) will turn on and the device will stop functioning. Device will resume after pressing the power button again.

※ After turning on the power input or resume device from working, the human sensor will not function in the first 2 minutes.

- Sensing area of the human sensor (vary with usage environment)



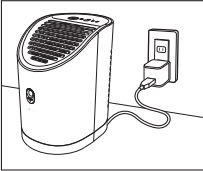
ATTENTION

Due to the characteristics of the human sensor, the sensor maybe inaccurate or not work properly in the following situations.

- locations near heating or cooking appliances such as stoves.
- locations near air outlets of air humidifier and air conditioners.
- locations near swinging objects such as curtains.
- locations in direct sunlight.
- locations with few human actions.
- indoor locations with temperature over 30°C.
- locations with highly reflective flooring materials such as marble.

[Connection method]

1. Use the attached USB cable to connect the input (USB Micro-B) at the base of the device and the exclusive AC adapter.
2. Insert the adapter into the socket fully.



[Operation method]

1. Keep pressing the power button (about 2 seconds). The blue power button light will then turn on and the product [normal mode] will start functioning.
2. If the power button during normal mode is pressed, the LED light of low mode (blue) will turn on and the device will switch to low mode.
3. If the timer button is pressed during use, the timer setting will change. Press until the target timer setting is selected.



4. To stop operation, keep pressing the power button, the power input light will turn off and the device will stop operating.

*This device may have a little hissing sound which is normal. When used in locations with high humidity, the sound may become louder.

*Dirt on the electrode ring and electrode pin may lead to instability in operation. Then the LED light of power input (red) will turn on and the device will stop functioning. Keep pressing the power button to alter the error. (The LED light of power input will turn off)

*When the human sensor activates, the LED light of power input (red) will flash, the LED light of human sensor (blue) will turn on and the device will stop functioning. Device will resume after pressing the power button again.

WARNING

- ・ Please do not use in a place which cannot be ventilated.
- ・ Please choose appropriate mode according to the using environment.

5 Maintenance

Before maintenance

You must stop the device before maintenance, and unplug the AC adapter and remove the USB cable from the device.

[Clean the main body]

Soak a cloth with neutral cleaner or water and wipe away the dirt. Then use a dry soft cloth to wipe away the water. Do not use benzene, thinner and alcohol. Use a brush to clean the dirt on filter at the back of the device.

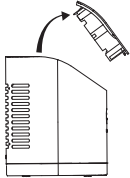
[Clean the electrode ring units and the electrode pin]

When device gets dirty, the red LED of the power input will turn on and the device will stop functioning. Please regularly carry out maintenance to ensure smooth operation. It is recommended to carry out maintenance once or twice every month which may vary with usage environment.

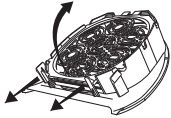
Cleaning steps

- ① Turn off the device, remove the AC adapter from the socket and the USB cable from the device.

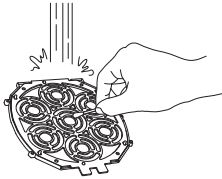
- ② Remove the top cover.



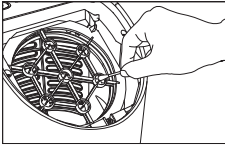
- ③ Remove the electrode ring unit from the top cover.



- ④ Rinse the electrode ring units with water and clean with cotton buds or a toothbrush.



- ⑤ Use cotton buds or similar to wipe away the dust and dirt on the electrode pins.



Clean gently to make sure not to bend the pin.

- ⑥ Install the dried electrode ring units to the top cover. (Press until you heard that the cover is locked.)
- ⑦ Install the top cover. (Press until you heard that the cover is locked.)
- ⑧ Connect the USB cable and AC adapter and start use.

CAUTION

- ・ During regular maintenance, be careful on not stabbing the finger or get injury.
- ・ Do not damage the electrode ring units during cleaning.
- ・ Do not touch the electrode pin with your finger. Make sure not to bend the pin when cleaning.
- ・ Avoid damage when taking out and installing the parts. Improper installation may cause improper operation and malfunction.

6 Troubleshooting

If the following solutions cannot solve the problem, please contact the seller or maxell customer service center.

Problem	Cause	Solution
The device does not operate (LED lights are OFF)	No power input	Use the exclusive AC adapter Ensure good connection of the adapter and the cable
Red LED power input is ON	The electrode ring units or top cover not installed properly	Install properly the electrode ring units and top cover refer to ⇨ ⑤
	Dirt on electrode ring unit or electrode pin	Clean the electrode ring units and electrode pin refer to ⇨ ⑤
Red LED power input is flashing, blue LED light of human sensor is ON	Human sensor activated and device stopped	Press the power button and turn on the device again. If the sensor still operates even no person is nearby, please follow the steps in the section "About the human sensor" refer to ⇨ ②
Device produces strange sound	Dirt on electrode ring unit and on electrode pin	Clean the electrode ring unit and electrode pin refer to ⇨ ⑤

7 Specifications

[Main Body]

Power supply: DC5V/0.5A
Outer dimensions: W125 X D165 X H195mm
(not including the projected parts)
Weight: about 620g
Range of Operating Temperature: 0~40°C (when there is no dew)
Power Consumption: About 2.5W

[Exclusive AC adapter]

Input: AC100 - 240V 50/60Hz
Output: DC5V/2A

[USB cable]

Length: about 1.8m

※ For details of effects on deodorize, viruses or bacteria, please visit the website:

<http://www.maxell.jp/consumer/deodorization/mxap-apl250/>