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maxell

IONIZED WIND DEODORIZER

MXAP-AR201

rev. 00

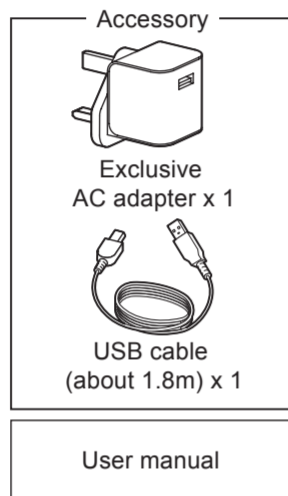
User Manual

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

Content of the package



Device x 1



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.
- All explicit and implicit contents not stated in the warranty card are not covered.
- 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, astronomic 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.

Danger	Danger refers to "Misuse which might lead to death or serious injury" ¹ , or comparatively serious injury.
Warning	Warning refers to "Misuse which might lead to death or serious injury" ¹ .
Caution	Caution refers to "Misuse which might lead to injury" ² or damage ³ .

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 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. Do not decompose)
		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 plug from socket)

Warning

- 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)
- Do not put your face near the vent outlet.
- Please choose appropriate mode according to the using environment. Check the operation mode standard and do not use at places smaller than mentioned. Please refer to (4. Instructions for use) for the recommended space of usage. Using under wrong environment may harm humans or pets, or may lead to damage to properties.
- 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.
- Person who has asthma or related medical history, please consult your physician before use.

Danger

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.

Do not put into fire

Do not put the device into fire or heat it. This may cause smoke, fire or damage the device.

Do not place in locations in direct sunlight or with abnormally high temperature

In addition to degradation of equipment surface and parts, it may cause heat generation, ignition, rupture, and leakage. Do not place inside a closed car, in locations in direct sunlight or near heating appliances such as stoves.

Device

- Do not touch any leaked liquid. If liquid leaked out from the product and got into your eyes, please do not rub your eye and rinse with clean water, and consult a medical practitioner immediately. This could result in blindness.
- Do not use power input other than the USB port. When charging, please use the supplied AC adapter. Use of power input other than the USB of 5V may cause overheating, fire, malfunction or injury.

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.

- Stop use after dropping and damage to the device. Continuation of use may cause electric shock, fire or injury.

Setting Up and Use

- Do not use in a place which cannot be ventilated
- Do not use in area smaller than the recommended size. Please refer to (4. Instructions for use) for the recommended space of usage.
- 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.
- 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.

Device / Adapter / Cable

- 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.

- Please use and store properly at places out of children's reach. This may cause electric shock or injury.
- Do not use with wet hands. This may cause overheating, electric shock or malfunction.

Device

- 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.

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.
- Please 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.

- Please plug the AC adaptor down to its base family. Partially plugged AC adapter may need to fire or electric shock.

Maintenance

- Please remove the adapter during maintenance. This may cause electric shock or fire.
- Please 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, please remove the AC adapter from socket. Deterioration of insulation may cause electric shock and fire led by electric leak.

Caution

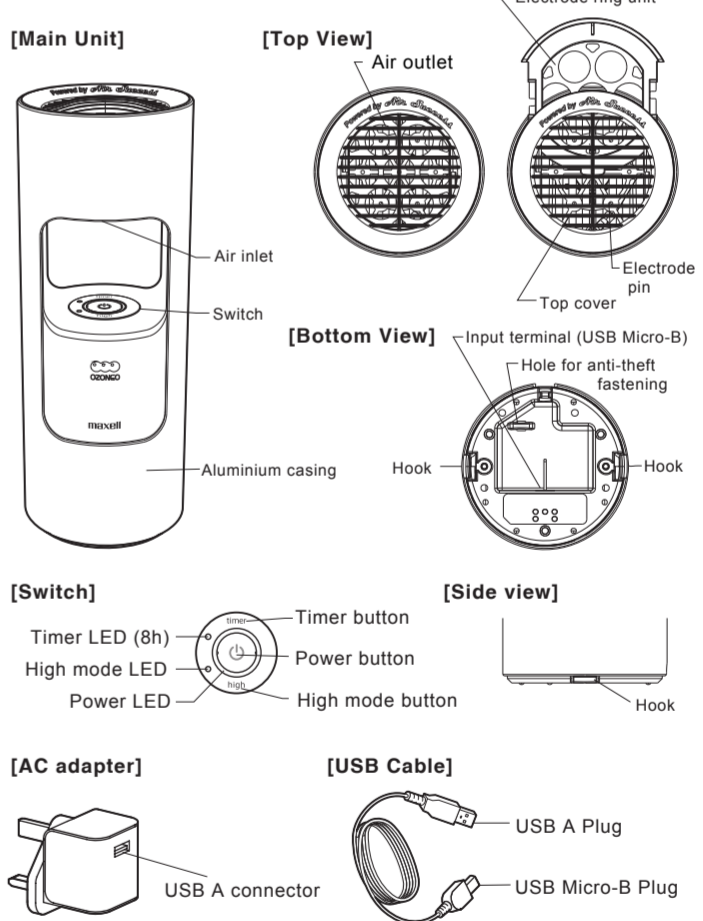
Setting Up and Use

- 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 product, 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.
- Please charge and use within 5°C-40°C. Charge or use the product outside this range could result in liquid leakage, high temperature, rupture and malfunction.
- Charge every 6 months. The battery might become un-rechargeable if it is fully discharged.

Maintenance

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

3 Name of Parts of the device



LED Indicator

Power	Recharging status	Unit switched off	Unit in operation	Malfunction during operation
Connected to AC adapter	Charging	Flashing light	Slow flashing light*	Light off
	Fully charged	Light off	Light on	Light off
Using internal batteries	—	Light off	Light on	Light off

* Brightness changes slightly

4 Usage

[Installation]

The recommended room coverages for this unit are as follows:

Normal mode: 1.6 ~ 3.3m²

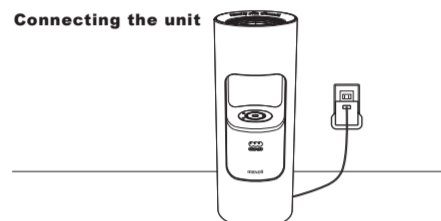
High mode: 5 ~ 13m²

Check the size of the room you are using. Do not use for rooms other than these recommended coverage guidelines.

※Based on the results of internal company tests.

Results may vary depending on the surroundings and the duration of use.

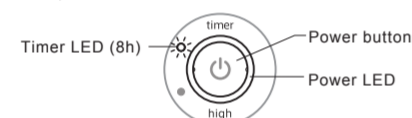
Connecting the unit



- Using the USB cable supplied with the unit, connect the input terminal (USB Micro-B) to the AC adapter.
- Plug in the AC adapter to a wall socket. If the adapter is correctly connected, the Power LED light will flash and the unit will start to charge (If the battery is fully charged the light will not flash).

[Operating the unit]

- Press down the power button for 2 seconds or more. The Power LED light and the Timer LED light will be on, and the unit will start to operate in Normal mode (When the power comes on, the default setting is Normal mode with the timer set to 8 hours).



- If the High mode button is pressed while the unit is in operation, the High mode LED light will come on, and the unit will operate in High mode. If the button is pressed again, the High mode LED light goes off and the unit will switch back to Normal mode.



- If the Timer button is pressed while the unit is in operation, the Timer function is off and the unit will switch to continuous operation. If the button is pressed again, the Timer LED light will be on and the Timer function will start again.
- To stop the unit operating, press down on the Power button. The Power LED light will go off, and the unit will stop. (If the unit is connected to the AC adapter, the Power LED light may flash depending on how much charge there is remaining in the rechargeable battery).
 - * The unit may make a faint hissing noise while in operation. This is nothing untoward. This noise may be slightly louder in humid environments.
 - * Dust or dirt on the electrode ring or the electrode pin may impact the operating performance of the unit. If this happens the Power LED light will switch off and the unit will cease to operate.

Warning

- Do not use in a place which cannot be ventilated.
- Ensure that the operating mode is appropriate for the size of the room you are using.

[Operating the unit with the internal battery]

- Recharge the unit.
- Detach the USB cable and place the unit in the intended location of use.
- Start the unit. (For operating instructions, refer to Operating the unit above).

Recharging time (Unit not in operation)		Approx. 4.5 hours
Operating time	Normal mode	Approx. 24 hours
	High mode	Approx. 8.5 hours

*Make sure you check the direction in which the input terminal is pointing before you insert the connector plug. Incorrect insertion could break the connector.

*Even if you are not using the unit for extended periods, you should recharge it once every six months. If the battery becomes fully discharged on its own, it may not be able to recharge.

*The timings given for recharging and usage are guidelines only. Timings will vary according to the surrounding environment and usage frequency.

5 Maintaining

Before maintenance

You must ensure that the unit is switched off before any maintenance is carried out. Unplug the AC adapter from the wall socket and disconnect the USB cable.

[Dirt on the unit]

Remove any dirt from the unit using a cloth dampened with water or detergent (neutral PH). Then wipe down gently with a dry cloth. Do not use any cleaner containing benzene, thinner or alcohol.

[Dirt on the electrode ring or electrode pin]

The unit may cease to work properly if there is dirt on the electrode ring or electrode pin. If this happens the LED light will switch off and the unit will cease to operate. Therefore you should maintain the unit regularly to ensure it is ready for use as required. We recommend that you maintain the unit once or twice a month depending on the environment and frequency of use.

Points to note when cleaning

- Be careful not to injure yourself or catch your fingers when reattaching or removing components while maintaining the unit.
- Take care not to injure yourself by touching the electrode pin.
- Do not touch the electrode pin with your fingers when cleaning it. Be careful not to bend the pin as you clean it.
- Take care not to cut yourself when cleaning the electrode ring unit.
- Make sure that the top cover, the electrode ring unit and the aluminum casing are securely in place after maintenance. If they are not fitted properly, the unit may malfunction or break down.
- If you allow dirt to build up on the electrode ring and electrode pin as you use the unit, the dirt may become harder to remove. If dirt is difficult to remove, try cleaning with a kitchen detergent (neutral PH) and a toothbrush.

Maintenance procedure

- Turn off the unit. Unplug the AC adapter from the wall socket and remove the USB cable from the main body of the unit.

- Unclip the hook at the bottom of the unit and slide off the aluminum casing.
- Remove the electrode ring unit.
- Use water and a toothbrush or a cotton wool bud to wipe the electrode ring.
- Remove the top cover.
- Use a cotton wool bud to remove any dirt or dust that has built up.
- Replace the top cover.
- Dry thoroughly before you replace the electrode ring unit.
- Slide the aluminum casing back into its original position. (Check that the casing is properly secured with the clasps).
- Reconnect the adapter and the USB cable, and the unit is ready for use again.

6 Troubleshooting (What to do if the unit breaks down)

If you cannot resolve the problem using the solutions outlined below, please contact your retailer or our Customer Services Center.

Problem	Cause	Solution
Unit does not operate (LED light does not come on)	There is no power. The battery has run out.	<ul style="list-style-type: none"> Use the AC adapter supplied with the unit. Ensure good connection of the adapter and the cable. Refer to → 4
	The electrode ring unit or the top cover cannot be replaced onto the unit.	Replacing the electrode ring unit and the top cover. Refer to → 6
The LED light does not flash while recharging	There is dirt on the electrode ring or electrode pin.	Cleaning the electrode ring and electrode pin. Refer to → 6
	The ambient temperature where the unit is being charged is outside the recommended limits.	Charge the unit where the temperature is within the recommended limits.
The unit makes a strange noise while in operation	The unit has been stored for a long time and the battery has drained.	The unit cannot be used at this time. In order to prevent battery drain, you should charge the unit at least once every six months.
	There is dirt on the electrode ring or the electrode pin.	Refer to → 6 on cleaning the electrode ring and electrode pin.

7 Specifications

[Main Unit]

Input voltage/current	:	DC5V/Maximum 1A
Dimensions	:	W70 X H186 X D70mm
Weight	:	Approx. 370g
Ozone generation	:	Normal mode 0.3mg/h; High mode 0.8mg/h
Consumption (charging)	:	Approx. 5W
Consumption (Fully charged)	:	Approx. 2.2W
Internal battery	:	Lithium ion battery
Operating temperature range	:	0-40°C (No condensation)
Recharging temperature range	:	5-40°C
Operating time (with internal battery):	:	Normal mode approx. 24 hours
	:	High mode approx. 8.5 hours
Recharging time	:	Approx. 4.5 hours
Number of battery recharges	:	Approx. 500 times

[AC Adapter]

Input	:	AC100-240V 50/60Hz
Output	:	DC5V/1A

[USB Cable]

Cable length:	:	Approx. 1.8m
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Test results for deodorization; removal of bacteria; elimination of viruses in relation to this product are available at <http://www.maxell.jp/consumer/deodorization/mxap-ar201/index.html>