

# maxell

## Mobile Battery

### MPC-CE5100

PA1540-00

#### User Manual

Thank you for purchasing the Maxell product. Please carefully read this instruction manual before use and use it correctly.

Content of the packaging  
Device × 1

Charging Cable (Approx. 20cm) × 1



User Manual x1

## 1 Introduction

### Before reading the instruction manual

- This instruction manual is subject to change without notice.
- In order to improve the product, appearance of some parts or specifications may be changed without notice.
- Unauthorized duplication of part or all of this instruction manual is prohibited except for personal use. Moreover, without permission unauthorized reprinting of this manual is strictly prohibited.

### Disclaimer

- We assume no responsibility for any damage caused by fire, earthquake, action by any third party, other accidents, customer's intention or fault, incorrect use, or use under other abnormal conditions.
- We assume no responsibility for any damage caused by any usage not described in this Instruction Manual.
- We assume no responsibility for any damage caused by malfunction due to combination with connection equipment and devices.
- This product is not intended for use with equipment and devices related to human life such as medical equipment and devices, nuclear equipment and devices, aerospace equipment and devices, transportation equipment, and equipment and devices which require a high standard of reliability. We assume no responsibility if this product is used for the control systems of these types of equipment and devices and if any injury or fire occurs due to failure of the product.

## Safety Precautions

Please be sure to observe it for safe use.

|  |                                                                                                                                 |
|--|---------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Danger:</b> Danger refers to misuse which might lead to death or serious injury <sup>*1</sup> to a high degree.              |
|  | <b>Warning:</b> Warning refers to misuse which might lead to death or serious injury.                                           |
|  | <b>Caution:</b> Caution refers to misuse which might lead to injury <sup>*2</sup> and may cause property damage <sup>*3</sup> . |

<sup>\*1</sup>: Severe injury refers to things that have aftereffects such as blindness, injury, burns, electric shock, fractures, poisoning, etc., and those requiring hospitalization or long-term regular hospital visits for treatment.

<sup>\*2</sup>: Minor injury indicate injury, burns, electric shocks that do not require hospitalization or long-term regular hospital visits for treatment.

<sup>\*3</sup>: "Property damage" refers to indirect damage related to houses, household goods, livestock and pets.

|     |  |                                                                                                                                                                                       |
|-----|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NEW |  | △ stands for caution to fire, explosion, high temperature when handling the product. Details will be illustrated inside the symbol. (e.g. △ 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. ⊘ 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)    |
|     |  |                                                                                                                                                                                       |

## Danger

|                                                                                                                                                                                                                                    |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Do not connect input and output in reverse</b>                                                                                                                                                                                  |  |
| Failure to do so may cause overheating, fire, malfunction, electric shock or injury.                                                                                                                                               |  |
| <b>Only charge via a USB port</b>                                                                                                                                                                                                  |  |
| When charging the device, please use the USB port of a personal computer etc. or the USB conversion AC adapter. Using a power supply exceeding the USB rating DC5V may cause overheating, fire, failure, electric shock or injury. |  |
| <b>Do not disassemble or modify</b>                                                                                                                                                                                                |  |
| It may cause overheating, ignition, rupture, leakage or malfunction.                                                                                                                                                               |  |
| <b>Keep away from liquids</b>                                                                                                                                                                                                      |  |
| If liquids such as water, seawater, juice enters, it may cause heat generation, electric shock or malfunction.                                                                                                                     |  |
| <b>Do not short-circuit terminals</b>                                                                                                                                                                                              |  |
| Please do not carry or store with metallic necklace or hairpin etc. It may cause overheating, electric shock, failure or injury.                                                                                                   |  |

### Do not store or use in a locations with high temperature

Do not place it in a location where it will be hot such as near fire, stove, direct sunlight, in the car under the scorching sun. It may cause deformation, breakdown or burns.



### Keep away from fire

Please keep away from fire or do not heat it. It may cause overheating, ignition, rupture or liquid leakage.



### Do not touch leaked liquid

If liquid leaks from this device and gets into the eye, do not rub. Rinse with plenty of clean water immediately and consult a doctor. It may cause blindness.



## Warning

**Do not use if there is abnormality such as heat generation, discoloration, deformation, odor, etc. during storage or use**

Ignition, rupture, leakage or injury may result.



**When leaked liquid from this product adheres to the skin and clothing, immediately rinse with clean water**

It may cause damage to the skin.



**If the charging is not completed within the predetermined charging time, please stop charging**

It may cause liquid leakage, overheating, fire, or rupture etc.



**Do not use the product in locations with high humidity such as a bathroom**

It may cause overheating, electric shock or malfunction.



**Avoid strong impact to the product by stepping on or allowing the product to fall**

Doing so may cause deformation, leakage, overheating, ignition, explosion, breakdown, etc.



**Do not place flammable materials or heavy objects on the product, or cover or wrap with blankets or cushions**

It may cause overheating, ignition, explosion or liquid leakage.



**Do not place in cooking equipment such as microwave oven or high pressure vessel**

It may cause overheating, smoke emission or fire.



**Do not use the product in locations where there is a danger of ignition or explosion**

It may cause explosion or fire.



**Do not use with wet hands**

It may cause overheating, electric shock, malfunction, etc.



**Do not insert metal etc into the main unit and terminals**

It may cause overheating, electric shock, malfunction, etc.



**In the case when the product is used by children, parents should instruct children how to use it in a safe manner**

Please check whether the product is used safely during use. It may cause electric shock or injury.



**Use and store it out of reach of children**

It may cause electric shock or injury.



## Caution

**Do not place in locations where it is easy to fall or in locations with high levels of magnetism and dust**

Failure to do so may result in injury, overheating, fire, explosion, leakage.



**Charge in the temperature range of 0 to 40°C**

Charging at temperatures outside this range may cause leakage, overheating, explosion or failure.



**Charge at least once every 6 months**

Charging may not be possible if it is fully discharged.

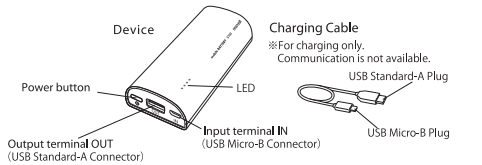


**Do not apply excessive force**

Doing so may cause transform leakage, overheating, ignition, explosion or breakdown.



Parts Name



**Battery Capacity Display**    ○ ...Light on    ✨ ...Light flashing    ● ...Light off

| Remaining Capacity   | LED Display |                 |
|----------------------|-------------|-----------------|
|                      | Charging    | Not in charging |
| 0%                   | ● ● ● ✨     | ● ● ● ● ●       |
| 0~3%                 | ● ● ● ✨     | ● ● ● ● ✨       |
| 3~25%                | ● ● ● ✨     | ● ● ● ●         |
| 25~50%               | ● ● ✨ ○     | ● ● ● ○         |
| 50~75%               | ● ✨ ○ ○     | ● ○ ○ ○         |
| 75~100%              | ✨ ○ ○ ○     | ○ ○ ○ ○         |
| 100% (Fully charged) | ○ ○ ○ ○     | ○ ○ ○ ○         |

4 Operating Instructions

Charge this product (After purchase, please charge before use.)

- Using the USB cable of the main unit, connect the input terminal to the USB port of the AC adapter or PC etc.
- During charging, the LED lights / flashes according to the battery capacity

※ AC adapter is not included with this product.  
※ Do not use any other charging cable except the dedicated charging cable.

**Approximate charging time**

| Charging method          | 0 → 80%      | 0 → 100%     |
|--------------------------|--------------|--------------|
| AC Adapter DC5V/3A above | Approx. 3hrs | Approx. 4hrs |
| USB Port DC5V/0.5A       | Approx. 7hrs | Approx. 9hrs |

**Caution**

- Check the direction of the terminal before inserting it. Incorrect connection may damage the connector.
- If charging can not be completed even after the elapse of the specified time, please discontinue charging.
- Even if you do not use this product for a long period of time, please charge at least once every 6 months. Charging may not be possible if it is fully discharged.
- Please do not connect other device to charge this product. It may cause overheating or malfunction.
- Charging time varies depending on the AC adapter or PC etc. you use.

**Checking battery level**

- If you press the power button without connecting anything, the LED lights for about 10 seconds according to the remaining battery power.

**Charge the smartphone**

- Please connect the output terminal of this product to the device using the supplied charging cable or a charging cable recommended by the manufacturer of the device to be charged.  
The LED will light up and charging to the device will start. If charging does not start, please press the power button.
- Please check the level of charge with the charge display of the connected equipment. If charging is completed, or when charging is interrupted, please push the power button twice to stop charging and disconnect the cable.

※ Depend for the device using, even if the mobile battery charging is finished, the device may not be 100% fully charged. Or when the device is fully charged, mobile battery may not stop automatically.

For detailed information such as latest compatible equipment, please check our website.

**Caution**

- This product has a maximum output of DC5V/2.1A. When the charging current of the connected device exceeds the rated current, the circuit protection system may be triggered and may not be able to charge the device. Also, when the charging current of the device is 0.1A or less, the auto power off function is triggered and it will not be possible to charge the device.
- When used in an environment outside the operating temperature range, the circuit protection system may be triggered and may not be possible to charge the device.
- When the battery level of this product is low, the output current may be limited.
- Charging may not be possible in the case of a device that communicates with personal computers.
- When the battery level of the device is zero, or when charging a device other than a smartphone, there are instances when it takes time to start up or it is not possible to charge.
- Even if the contents of the memory of the device are erased whilst using this product we will not take responsibility for the lost data.

**Maintenance**

Please remove any dirt on the main unit with a soft, dry cloth. Do not use water, detergent, benzine, thinner, alcohol etc.

**Troubleshooting (When problems arise)**

| Phenomenon                                                | Cause                                                                             | Solution                                                                               |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| LED does not light up or flash when charging this product | USB port is low on power                                                          | Try a different USB port. Remove other devices connected to the USB port               |
|                                                           | The PC is in stand-by mode                                                        | Release the stand-by mode of the PC                                                    |
|                                                           | Temperature of charging location exceeds working temperature range                | Charge within therange                                                                 |
|                                                           | The product was stored for a long time, and the battery was completely discharged | Cannot be used. Please charge at least once every 6 months not to discharge completely |

**Troubleshooting (When problems arise)**

| Phenomenon                                                | Cause                                                                             | Solution                                                                                                                      |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| LED does not light up or flash when charging this product | USB port is low on power                                                          | Try a different USB port. Remove other devices connected to the USB port                                                      |
|                                                           | The PC is in stand-by mode                                                        | Release the stand-by mode of the PC                                                                                           |
|                                                           | Temperature of charging location exceeds working temperature range                | Charge within therange                                                                                                        |
| Charging time is longer than the predetermined time       | The product was stored for a long time, and the battery was completely discharged | Cannot be used. Please charge at least once every 6 months not to discharge completely                                        |
|                                                           | USB port is low on power                                                          | Try a different USB port. Remove other devices connected to the USB port                                                      |
| The enclosure is warm                                     | The device will get warm after or during charging. This is normal                 | Continue usage after rest for a while                                                                                         |
| When pressing power button LED does not light or flash    | No battery remain                                                                 | Charge the device                                                                                                             |
| The device cannot be charged                              | The overcurrent protection circuit is activated                                   | Confirm current usage (power consumption) of equipment                                                                        |
|                                                           | Charging while using equipment, such as playing movies                            | Turn off the equipment                                                                                                        |
|                                                           | Equipment is not connected properly                                               | Ensure proper connection                                                                                                      |
| Short discharge time                                      | Connected cables and terminals do not match                                       | Use the supplied charging cable. Check the shape of the input terminal of the device                                          |
|                                                           | Low battery level                                                                 | Charge the device                                                                                                             |
|                                                           | Battery has reached the end of its life                                           | If the discharge time becomes extremely short even when it is fully charged, then the battery has reached the end of its life |
|                                                           | It is used in a high temperature environment                                      | Use when the temperature has cooled down                                                                                      |

**Specification**

|                       |                                             |
|-----------------------|---------------------------------------------|
| Dimensions            | W45 × H98 × D22.5mm (excluding protrusions) |
| Input                 | DC5V / 1.8A Max.                            |
| Output                | DC5V / 2.1A Max.                            |
| Weight                | Approx. 130g                                |
| Operating Temperature | 0~40℃                                       |
| Built-in Battery      | Lithium-ion battery 3.6V/5000mAh (18Wh)*    |
| Cable Length          | Approx. 20cm                                |

\* Minimum battery capacity (standard capacity is 5100mAh)

**Maxell, Ltd.**  
30-13 Motoyoyogi-Cho, Shibuya-Ku, Tokyo 151-8527  
<http://www.maxell.co.jp>