

Instruction Manual



1/64 MOTN LED BASE SYSTEM

FCC CAUTION
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Thank you for purchasing this product. Please read this instruction manual before use and operate the product correctly.
After reading, keep the instructions available for future reference.

For safe operation, please read this first.

The following warnings are designed to prevent injury or damage to you and others. Be sure to follow them carefully.

Explanation of symbols Indicates prohibited (things that must NOT be done),
 Indicates actions that must be followed

Danger Indicates content that can pose an imminent risk to life or serious injury

- Do not charge the device while it is in your pocket or in contact with your body. This may cause heat buildup and burns.
- Keep away from heat and fire. This may cause ignition, explosion or fire.
- Use only specified power source and only use equipment within voltage/current input specifications. Failure to do so may cause overheating, fire, breakage, or electric shock.
- Do not place this product in microwave ovens, other cooking appliances, or high-pressure containers. This may cause ignition, explosion, breakage, fire or other damage.
- Do not connect power near induction cookware. This may cause malfunction, resulting in overheating, fire, or breakage.
- Do not disassemble or modify the product. This may cause breakage, fire, electric shock, or other damage.
- Do not use the product in humid conditions such as bathrooms or near humidifiers. This may cause overheating, electric shock, or damage.
- If the product, USB Type-C cable, USB-AC adapter, or MOTN-compatible device emits smoke, is damaged, overheats, deforms, has an unusual odor, or makes an unusual sound, immediately discontinue use. This may cause overheating, explosion, or fire.
- If you are wearing electrical medical equipment such as a cardiac pacemaker, please consult with your doctor before using this product. This product may affect the operation of electrical medical equipment.
- Do not use inside a car. This may affect devices such as car anti-theft systems.

Warning Indicates content that may result in death or serious injury

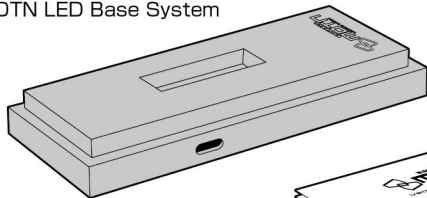
- Keep out of reach of small children. Accidents or malfunctions may result, such as accidental dropping.
- Keep away from water and other liquids. If it gets wet, this may cause heat generation or fire.
- Do not touch the USB Type-C cable with wet hands. This may cause fire or electric shock.
- Make sure the USB Type-C cable is inserted all the way. Poor contact may cause fire, electric shock, or breakage.
- Only place equipment compliant with MOTN standards on this product. Failure to do so may cause fire, electric shock or breakage.
- Do not place metal objects such as coins between the power supply surface of this product and the MOTN compatible device. This may cause overheating, ignition, fire, or malfunction.
- Do not insert metal into the terminals. This may cause overheating or fire.
- In an electrical storm, do not touch this product or any MOTN-compatible device. This may result in electric shock.
- If the product does not operate according to the instructions, discontinue use. This may cause overheating, explosion, or fire.
- Only use USB Type-C cables. Any other cable may cause fire or electric shock.
- Do not cover or wrap this product in a cloth while it is being powered. This may cause fire, malfunction, or other failure.
- Avoid heavy impact from dropping or throwing. This may cause explosion, fire or breakage.
- Do not place heavy objects on this product, the USB Type-C cable, or damage the USB Type-C cable. This may cause fire, electric shock or breakage.
- Do not connect power to car auxiliary power socket (car cigarette lighter). This may generate heat, fire, or electric shock.

Warning Indicates content that may cause injury or property damage

- When children use this product, supervising adults should read the instruction manual carefully and instruct on the correct use. Check that the product is being used correctly.
- Place on a stable, level surface. The product may fall and cause injury or damage if it is placed on an incline or unstable surface.
- Keep away from objects that are sensitive to magnets. Credit cards, IC cards, etc. may lose data or become damaged with exposure to magnetism or heat. If you have cards in a case, remove them.
- During long periods of non-use, disconnect the USB Type-C cable and USB-AC adapter from the product. It may cause fire.
- Do not use in the following locations. This may cause overheating, explosion, fire, electric shock, deformation, discoloration, or deterioration of components.
 - Near fire, heating equipment, direct sunlight.
 - Below 0°C or above 40°C
 - Where there is a lot of dust
- Do not connect the product via a USB hub. This may cause malfunction of the power supply, fire, or damage to the equipment.
- Do not place smartphones, tablets, etc. on top of this product. This product is not a contactless charger for smartphones, etc. It may cause overheating, fire, or breakage.

Included

MOTN LED Base System



Instruction Manual

Please purchase separately

USB Type-C cable, USB-AC adapter (5V, current 1.5A or more recommended)

*Change the adapter type according to the standards of the country where it will be used.

Product Features

This is a wireless power transmission product exclusively for MOTN system compatible products.
It is not a certified device for the "Qi" wireless charging standard.
It is not compatible with contactless charging of devices such as smartphones, so please do not use it on products other than MOTN system compatible products.

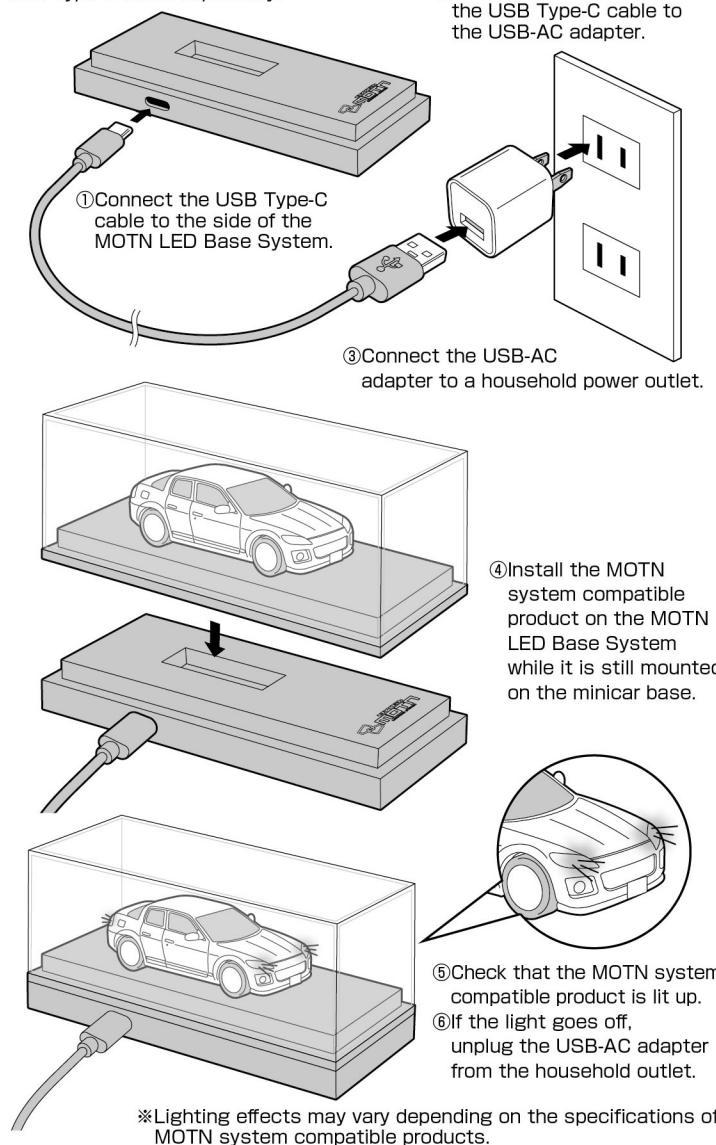
- By mounting a MOTN system compatible product on the base, the LED lights built into the MOTN system compatible product can be turned on.
 - This product is equipped with a surge protection function that stops power supply if overcurrent is detected.
 - This product is equipped with an overheating protection function that stops power supply if high temperature is detected.
 - This product is equipped with a timed protection function that automatically stops power supply after approximately 10 minutes of operation.
- *If the protection function is activated, you can use the product again by unplugging and reconnecting the USB cable.
*Power supply status can be checked by the LED on the bottom of the MOTN LED Base System.

Operating Precautions

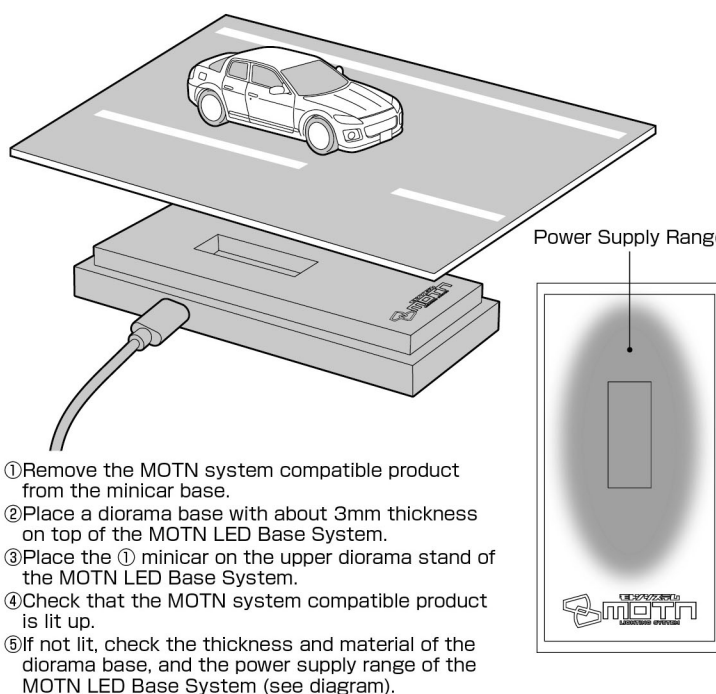
- Please purchase a USB Type-C cable separately.
 - Please purchase a USB-AC adapter (5V, 1.5A or more recommended) separately.
 - It is normal for this product and MOTN system-compatible products to become warm while supplying power. If the product becomes too hot while supplying power, charging may stop due to the overheating protection function of the powering device. Wait until the MOTN system-compatible product has cooled sufficiently before powering again.
 - If there is material more than 3mm thick or a metal case in the gap, power supply may not be possible or the power supply may be unstable or weak.
 - Static noise may be heard when using near a radio, etc.
 - It is not possible to power multiple MOTN-compatible devices at the same time.
- *This product is for general household use. Do not use for commercial use or in commercial-like situations.
*This product is not intended for use with medical equipment, nuclear equipment, aerospace equipment, transportation equipment, other equipment or devices that involve human life or that require a high level of reliability. Please do not use this product for such purposes. We shall not be liable for any personal injury or other problems resulting from its use.

Operating Instructions

Purchase USB-AC adapter and USB Type-C cable separately.



When Use With Diorama



*When using in a diorama, remove the MOTN-compatible device from the included base and place it on a diorama base that is about 3mm thick. The diorama base should be made of paper, wood, etc.; do not use metal bases. Please make sure that there are no metal objects on or around the diorama base.

FCC Compliance Statements

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.

RF Exposure Compliance

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.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

*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.

Description of Operation

If a situation is detected, LED lamp will light up or flash.

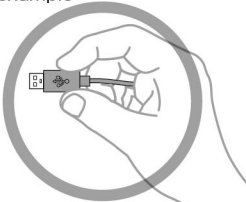
- After 10 minutes of operation, the LED light on the bottom of the unit will light up and power supply will stop.
Power supply can be resumed by unplugging and reconnecting the USB Type-C cable.
- If over-feeding is detected, the LED light at the bottom of the unit will flash and power supply will be cut off.
Unplug the USB Type-C cable firstly, then make sure there are no metal objects or smartphones that are not MOTN compatible nearby and stop using the device for about 30 minutes. After that, reconnect the USB to resume power supply.
- If the temperature inside the device becomes too high, the LED light at the bottom of the device will flash and power supply will be cut off.
Unplug the USB Type-C cable firstly.
Stop using the device for about 30 minutes to allow the device to cool down. Then reconnect in the USB Type-C cable to resume power supply.

LED lights on the bottom of MOTN LED Base system

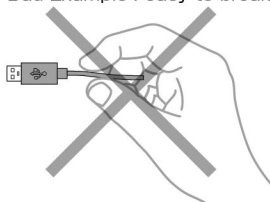
Main Unit Status	LED display
Timer functioning	constant light
Error	flashing

Handling USB Type-C Connectors

Good example



Bad Example : easy to break



- When powering a MOTN-compatible device, place the included base on the MOTN base with the compatible device attached. If the MOTN base and MOTN-compatible device are placed too close to each other, they may become hotter than normal.

Specifications

Standard : MOTN LED SYSTEM

Input: 5V Output: 2.5W

Input terminal: USB Type-C

Size: 121×58×18 (mm) Weight: 49.7g

Product specifications are subject to change without notice for continuous improvement purposes.

- Qi is a registered trademark of the Wireless Power Consortium.
- USB Type-C TM is a registered trademark of USB Implementers Forum.
- Other product names mentioned in the text are registered trademarks of their respective manufacturers.
Note that the TM and ® marks are not stated explicitly in the text.

If you think there is a malfunction

If the product does not work properly or if you notice any abnormalities, please check the table below.

Cause	Resolution
The power source for the USB Type-C may not be turned on.	Check the power connection and make sure the USB-AC adapter (sold separately) is securely plugged into a power outlet.
The USB Type-C connector may be loose or disconnected.	Check that the USB Type-C cable is connected properly.
May be used other type of USB cable other than USB Type-C cable.	Change to a compatible USB Type-C cable.
If USB-AC adapter has a rated output voltage exceeding 5V, power may not be supplied.	Only use devices with a rated output voltage of 5V.
The device being powered may not be MOTN compatible.	Check that it is MOTN compatible.
Rated output of the USB power source may be low.	Use a USB-AC adapter (sold separately) with a rating of 5V/1.5A or more.
Temperature may be outside the operating temperature range.	Supply power within the operating temperature range.
The MOTN-compatible device may be out of the power supply area.	Change the location of the MOTN-compatible device.
There may be a foreign object, such as a piece of metal, between the power supply surface of the product and the MOTN-compatible device.	Remove the foreign object, disconnect the MOTN-compatible device, then unplug and reconnect the USB Type-C cable to resume power supply.
If there is material with a thickness of more than 3 mm or a metal case in the gap, power may not be supplied, or the power supply may be unstable or weak.	Check the material and thickness of the obstacle and use one that conforms to the recommended standards.
If the device becomes too hot, power supply may stop due to the device's overheating protection function.	Wait until the device has cooled sufficiently before charging again.
If an over-feeding is detected, the protection function will stop the power supply.	Power supply will resume if you remove the MOTN-compatible device, unplug and reconnect the USB Type-C.

*The manufacturer accepts no responsibility for any damage caused by the use of this product in a manner other than as explained in this instruction manual.

Environmentally friendly disposal

Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.



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