

## 15W Wireless Charging Module

- Overview

Main function of phone Wireless charging is to charge the Android phones or Apple phones. It has the functions of over temperature protection, over / under voltage protection, over current protection, foreign object detection (FOD) and other functions .

- Parameter

<b>Product name</b>	<b>Wireless Charging Moudule</b>
<b>Operating voltage range</b>	<b>18V~32V</b>
<b>Rated working voltage</b>	<b>24V</b>
<b>Supporting device</b>	<b>Android and IOS mobile phones</b>
<b>Coils</b>	<b>3coils MP A13</b>
<b>Conversion efficiency</b>	<b>≥70% , 24V full load output</b>
<b>Charging distance</b>	<b>0 ~ 8mm</b>
<b>Charging power</b>	<b>15W, compatible with 10W/7.5W/5 W</b>
<b>Working frequency</b>	<b>110.5KHZ~205kHz</b>
<b>Stand-by current</b>	<b>≤ 50mA</b>
<b>Working status indicate</b>	<b>Support</b>
<b>FOD function</b>	<b>Support</b>

<b>Operating temperature</b>	<b>-40°C~85°C</b>
<b>Storage temperature</b>	<b>-40°C~90°C</b>
<b>Undervoltage protection</b>	<b>Support</b>
<b>Overvoltage protection</b>	<b>Support</b>
<b>Overcurrent Protection</b>	<b>Support</b>
<b>Overtemperature protection</b>	<b>Support, generally set to about 65 °C</b>
<b>Total weight</b>	<b>&lt; 300g</b>
<b>Size</b>	<b>156*96*186±3mm</b>
<b>Dust/water Proof</b>	<b>IP5K2</b>

- Configuration and operation methods

Configuration :

1. Wireless charging module : This is a flat or three-dimensional device, usually with a charging area where the charging device is placed.

Operation methods :

1. Find the installation location of the wireless charger on the vehicle , then lock screw in the plastic holder and connect the wireless charger to car's cable connect ;
2. Make sure your charging device supports wireless

charging, such as smartphones, headphones, etc.

3. Place the device that supports wireless charging on the charging area of the wireless charger.
4. Waiting for the device to start charging.
5. Wait for the device to start charging.

- Product use precautions

1. Making sure the charging device is aligned with the charging area of the wireless charger to ensure charging efficiency.
2. Forbid placing metal objects on the charging device to avoid interfering with the wireless charging function.
3. Forbid placing card on the charging device to avoid damaged card.eg : bank card , entrance card , NFC card.
4. Do not place the wireless charger in a high temperature or humid environment to avoid affecting the charging effect or damaging the device. High temperatures can damage the battery and reduce battery life, while too low temperatures can lead to less efficient charging.
5. Warning :

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.

#### RF exposure Warning :

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter

must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.”

Warning :

- 1.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.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment