

Product manual

Product overview

- this product is specially designed for charging mobile phones while carrying mobile phones on motorcycles. It is suitable for direct installation and use of many BMW models with original navigation power supply seats;
- this product has a waterproof design and is suitable for all-weather outdoor use. The waterproof level is IP65. It can be cleaned directly with a high-pressure water gun (please confirm that the USB waterproof plug has been fully covered before cleaning).
- this product is compatible with most smart tablet phones. Solve the problem of battery life of mobile phone when users use mobile phone navigation in long-distance motorcycle travel.

Product features

- the shell of this product is made of ABS + PC material, and other internal and external components include weather resistant rubber
Silicone, nylon materials, etc. are manufactured in accordance with outdoor use standards. The equipment has passed environmental tests such as exposure to the sun, rain, high temperature + 70 °C, low temperature - 40 °C, and meets the availability and reliability requirements of the equipment under outdoor extreme conditions.
- fully compatible with BMW original navigation power supply base;
- gold plated connecting components on the back can ensure stable and reliable power supply performance
- multiple circuit protection functions, circuit characteristics can provide foreign matter detection, overvoltage protection, overcurrent protection, overheating protection, mobile phone full protection, etc.
- it can provide efficient 15W wireless charging power. When charging wirelessly, the mobile phone can still ensure that the battery of the mobile phone remains full when the screen is fully illuminated for navigation.
- intelligent charging function, the micro control unit (MCU) can dynamically charge the charging current, and can quickly charge the full power when the battery of the mobile phone is low, and intelligently adjust the output current according to the discharge condition of the machine; Adjust to trickle charging state (low current) when the mobile phone is about to be fully charged; Automatically stop charging when the phone is full, To protect the stability of the mobile phone battery from damage during charging.
- Two USB power supply output interfaces are provided. The interfaces are usb1 and USB2, which support 5V output. The output interfaces of usb1 and USB2 are standard 5V ~ 2A output (black), which can be used for power supply / charging of other USB devices (such as driving recorder powered by USB, charging treasure, Bluetooth headset charging and more devices powered by USB)



Usb1 and USB2 are shown in the left figure

■ hidden wireless charging switch, which can control the opening or closing of wireless charging function, is designed for scenes that are not suitable for continuous wireless charging (such as too high in ultra-high temperature environment)

When the phone is in direct sunlight, the screen may be black and off due to continuous charging of the phone

Machine protection, in this case, the wireless charging function can be temporarily turned off)

■ the wireless charging indicator light can make the charging state clear at a glance, and the blue indicator light is wireless

When the charging is stopped, the red indicator light is in the charging state. The wireless charging function and indicator light can be completely turned off by long pressing the switch (enter through the switch on the back of the device)

Row control)

■ the bayonet locking device (off-road mode) can ensure the safety of the mobile phone. When the locking function is turned on, the mobile phone will not fall off the support accidentally (this function is applicable to non paved roads)

It is used with most mobile phones, and will not be affected by touching the button on the edge of the mobile phone by mistake. The design of this product is compatible with 4.2-6.5 inches (it can carry a 7-inch mobile phone at most)

■ all parts in contact with the mobile phone are made of soft rubber, which has a certain high-frequency vibration filtering effect to protect the mobile phone from damage to the greatest extent

■ the central opening on the top is designed to make the operation easier and faster when taking and placing the mobile phone ■ with the mobile phone case, the wireless charging function is still available (except for the metal or metal containing mobile phone case)

■ electrical parameters

● input voltage: DC 12~36v

● working voltage: DC 7.2V (charging working voltage) ● maximum working current: 4A

● wireless output power: 15W

● wireless sensing distance: 6mm (can penetrate the mobile phone case less than 3.5mm) ●

usb1 (upper / Black) output voltage: DC 5V 2A

● USB2 (down / orange) output voltage: DC 5V2A

● overheat protection temperature: +65 °C



Product diagram

Instructions

Place / remove the phone

■ it is recommended to place the mobile phone as follows:

① Place the mobile phone horizontally and hold the upper edge of the mobile phone with one hand; ② Place the lower edge of the mobile phone on the movable snap part first;

③ Press the mobile phone down to move the moving parts down. When the mobile phone moves down and the upper edge is lower than the upper edge of the charging device, push the mobile phone backward to make the upper edge of the mobile phone snap into the card slot on the top of the charging device.

Note: the upper edge of the mobile phone bracket and the edge rubber of the latch position are designed to adapt to the vast majority of mobile phones, which will not affect the use of the mobile phone due to clamping the mobile phone and accidentally touching the keys on the edge of the mobile phone. If the above situation occurs when you use this product, please check whether the mobile phone is fully placed, and turn the direction of the mobile phone to observe the positioning;

■ about lights

Blue light: indicates that the wireless charging is on, but it is not in the wireless charging state

● red light: indicates that wireless charging is in progress

● light off: indicates that the wireless charging function has been turned off

● light Alternation: indicates that the wireless charging protocol is in docking

Note: for some models, the light of the wireless charger remains on for 60 seconds after the ignition is off, which is the function of the vehicle ACC power supply control delay function. When the ACC power supply is stopped, the power supply of the wireless charger is cut off, and the light goes out.

■ wireless charging / switch control

● before using wireless charging, please confirm that your vehicle is in the power supply state (the key door is opened) and the blue light on the top of the wireless charging device is on

● after placing the mobile phone with wireless charging function on the wireless charging device, the blue light will automatically switch to the red light, indicating that the wireless charging is in progress, and the mobile phone synchronously displays that the charging is in progress

● note: the intermittent and alternating flashing of blue light and red light in some models of mobile phones indicates that the mobile phone and wireless charging equipment are in the process of charging protocol docking. After several times, the red light continues to light, and the charging can be maintained normally

● when the mobile phone is fully charged (100% of the mobile phone), the wireless charging will stop automatically,

At this time, the indicator light is switched from red light to blue light

● if you need to turn off / on the wireless charging function in the wireless charging state, you can press the switch button on the back of the device once. At this time, the light is switched to blue, indicating that the wireless charging has been turned off and the mobile phone charging has stopped synchronously; To turn on the wireless charging function again, press again

And the back switch button. At this time, the light is switched to red, and the mobile phone charging synchronization starts

● if you need to turn off the wireless charging and lighting completely, press and hold the switch button on the back of the device for 2 seconds. At this time, the wireless charging function is turned off and the lighting is turned off

● note: no matter whether the wireless charging device is on or off and the light is on or off, when the vehicle power is cut off and the power is restored, the wireless charging device will return to the initial standby state (wireless charging on, blue light on)

■ USB output interface

● the device provides two USB output interfaces, which are not affected by wireless charging

When used; The USB interface is not controlled by the back switch. Even when the wireless charging is completely off, the USB interface can still provide power supply.

● the upper USB interface (black) is a standard 5V, 2A DC output, which can Provide stable power output for any 5V power supply equipment, such as charging for power bank, Bluetooth headset, driving recorder, etc.

● the USB interface (Orange) below is an efficient qc3.0 protocol output interface, which provides 5V output voltage. In addition to supplying / charging any 5V device, it also has the characteristics of high-speed charging, which can be used to quickly restore the power of ultra-low battery mobile phones

Note: usb1/usb2 port / wireless charging function can be used at the same time. In order to ensure the performance of wireless charging when all outputs are used at the same time, the output current of the other two USB ports will be limited, and the charging performance of the USB port will be reduced, but this will not affect the normal use of electrical equipment.

■ safety locking device

This product only has a safety locking device. This device is to ensure that the mobile phone's movable lock is firmly fastened, so as to ensure that the mobile phone will not fall off accidentally under the influence of external forces. The handle at the bottom of the support is placed on the left for locking

● place the handle at the bottom of the support at the right position to unlock
Note: in order to ensure reliable locking, the force when pulling the locking handle when carrying the mobile phone is large (the effect is small when the mobile phone is not placed), which meets the design requirements. This stress acts on the moving parts and will not touch the mobile phone.

(the non locked state can be used for driving with mobile phones, which is usually used for vehicles with paved roads or vehicles with low engine vibration, but it

does not rule out the possibility of mobile phones falling off due to sudden bumps or other external forces. It is recommended that all vehicles should put the locking device in the locked state when carrying mobile phones, otherwise the possibility of mobile phones falling off will occur when passing through sudden bumps such as speed bumps.)

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exception handling

■ intermittent blue light

● please remove the wireless charging device from the power supply base and check whether the connecting pins of the power supply base / or the original power supply base are intact without dirt and wear. Please wipe the four connecting pins on the top of the power supply base with alcohol to remove dirt or oxide, and then install the wireless charging device again to try again; If the connecting pin is found to be worn, it is recommended to replace it with a new power supply base

■ the blue light is always on, but the mobile phone does not charge. Confirm whether your mobile phone supports wireless charging function; Whether there are metal substances on the back of the mobile phone, including metal finger rings, metal magnetic absorbers (excluding Apple built-in), gilding decorations on the edge of the lens, mobile phone cases containing metal substances, etc; Check whether the thickness of the mobile phone case is greater than 3.5mm.

● please check whether the vehicle battery is out of power. It is recommended to charge it after starting the vehicle.

■ the red and blue lights flash alternately, and the mobile phone is not charged

。 Please check whether the mobile phone is placed as close to the center of the wireless charging device as possible ● please check whether there are abnormalities in the mobile phone case, such as special / metal material, thickness greater than

In case of 3.5mm, please take off the mobile phone case and try wireless charging. After confirming that the wireless charging is normal, install the mobile phone case again for testing. If the problem of removing the mobile phone case still cannot be solved, please submit it to the after-sales department for treatment.

■ when charging wirelessly, the vehicle prompts that the wireless key is lost

● when some vehicles use wireless charging, the vehicle prompts that the wireless key is lost, which is due to the wireless interference caused by the location of the key in the wireless charging reflection area. If the above situation occurs to your vehicle, please do not place the

electronic key in the fuel tank storage box or fuel tank bag, and it is recommended to place it in the riding suit pocket or trunk.

Users register and make an appointment for after-sales service

Precautions during installation and use

- do not install this product upside down. The gap between the movable parts and the locking device may cause water to accumulate inside the product due to water ingress.
- when using the installation method of screwing in the fixing bolts at the back, the screw torque should not be too tight, which will strain the back plate of the product or even deform.
- this product has a double-layer waterproof design inside and outside, which can effectively cope with daily rain, car washing and other use scenarios, but please confirm that the USB rubber plug should be completely closed when washing the car; When there is a USB device connected, using a high-pressure water gun to flush may cause water ingress. ■ the internal circuit surface of the product has waterproof treatment, which can avoid the influence of condensation caused by temperature difference on the circuit; If other devices are connected at the USB interface, the possibility of draining water through the USB port due to the connection plug and continuous rainfall cannot be ruled out. In this environment, it is recommended to cover the USB according to the actual situation to prevent the possibility of water inflow.
- the design / manufacturing waterproof level of this product is IP65, and this waterproof level cannot immerse the product in water.
- the surface of the product has special coating treatment. When cleaning, you can use clean water or cleaning wax to wipe it. Do not use alcohol or corrosive solvents for cleaning.
- the USB output port of this product is designed for charging / power supply of 5V equipment. Do not modify and connect high-power equipment for power supply.

* instructions to users

1、

Please do not operate your mobile phone or product while driving. This may bring you hidden dangers endangering your personal safety and cause casualties
Therefore.

2. When using the product, please ensure that all moving parts have been properly placed and fixed, and ensure that the product is correctly installed firmly.
3. When using the series of products, please make sure that the mobile phone has been correctly stuck in the slot before driving. During the driving process, pay attention to the risk of damage to the mobile phone due to potholes, bumps on the road, high-speed wind resistance confrontation and other reasons.
4. Do not use excessive force when pulling the moving parts of the product series. Excessive pulling or rotation or incorrect use may cause deformation or damage to the product.
5. If the product is found to have loose screws, rubber falling off, cracks and looseness of moving parts, which affect the normal use of the product, please do not continue to use the product, and please contact the service provider for maintenance as soon as possible;
6. Product warranty includes the quality of circuit function and product structure function. Consumable products and gifts shall be delivered to users in good quality and availability, but shall not undertake warranty services. (consumable products specifically include: rubber pads,

USB covers; gifts include: car stickers, adhesive parts, charging cables, etc.)

7. Please confirm that the waterproof parts (USB waterproof plugs, etc.) of the product have been properly fastened when washing the car, otherwise the product may be damaged.

8. The product series is related to cars or motorcycles and belongs to outdoor sports, transportation and other high-risk categories. Please properly install and use this product to avoid personal injury and property loss to the greatest extent.

9. The product is provided with a one-year free warranty service from the date of purchase. The warranty service includes repair, replacement and other forms. The warranty service is aimed at the situation that the normal function of the product is affected by its own quality, but does not include the damage caused by human damage, improper use or external factors.

* Disclaimer

* the "products" described below refer specifically to the products produced by our company;

* the "we" described below refers specifically to sellers, agents and manufacturers;

* you are deemed to have known and accepted the following disclaimer when using this product.

1. On the premise that you know the "instructions to users" and use our products correctly, we are only responsible for the quality problems of the products, and we will not be responsible for all other losses not caused by the quality problems of the products during the use of this product. We will not be liable for accidents, personal injuries or other accidents caused by operating the product during driving.

We will not be liable for economic losses.

3. We will not be liable for property losses caused by incorrect and reasonable installation of products, failure to tighten product fixing bolts during installation, etc.

4. We will not bear the warranty liability and other responsibilities for the product damage or other losses caused by the user disassembling the product and repairing the product by himself.

5. We will not be liable for the property losses caused by the user changing the product structure, refitting, using beyond the scope, using beyond the maximum technical parameters, modifying the connecting circuit without authorization, etc.

6. When using our series of products, we will not be responsible for the loss of mobile phone falling when driving without placing the mobile phone correctly or ensuring that the mobile phone is firmly stuck in the slot.

7. We will not be liable for the loss caused by the fall of the mobile phone due to violent turbulence or vehicle leap when making the product

8. We will not bear the warranty liability and other losses for product damage caused by external factors and incorrect use of the product (for use without mobile phones, etc.).

9. We will not be liable for personal and property losses caused by using the product without confirming the good condition of the product parts before using the product.

FCC Warning

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.

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

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.

FCC RF exposure statement:

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance between 20cm the radiator your body.