



Maximum Total Output  
**5V/2.4A**



Auto charge control

Connected devices are automatically recognized for fastest charging

### Auto charge control

The high-performance IC (integrated circuit) mounted in the USB port recognizes connected devices and achieves the fastest charge by optimizing the output power.

#### 5V/2.4A high output

A total combined charging current of 2.4A may be sourced from the two ports.

#### Two devices may be charged simultaneously from the two ports

Since the product has two USB ports, it is possible to charge two devices.

#### 12V/24V inputs supported

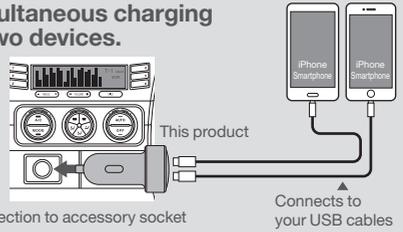
In addition to normal cars, it can be used with 24V vehicles such as trucks.

#### Equipped with power confirmation LED

When this product is turned on, the cigar charger LED will light blue.

#### [Connection diagram]

### Simultaneous charging of two devices.



#### Product specifications

|                            |  |
|----------------------------|--|
| Connector specifications   | USB port x 2   |
| Input voltage              | DC 12V / 24V   |
| Output                     | DC 5V maximum total current 2.4A<br>Each port maximum 2.4A               |
| Temperature range for use  | 0°C to 40°C / 32°F to 104°F<br>(No condensation allowed)                 |
| Storage temperature range  | -20°C to 60°C / -4°F to 140°F<br>(No condensation allowed)               |
| Main unit size (W x D x H) | Approximately 30 x 61 x 30 mm<br>Approximately 1.18 x 2.40 x 1.18 inches |
| Maximum Total Output       | 5V / 2.4A  |

#### Attention

- Some car models may not be fitted with compatible accessory sockets. Please check that the internal diameter of the accessory socket is within the range of  $\phi 20.8$  mm to  $\phi 22$  mm /  $\phi 0.81$  to  $\phi 0.86$  inches.
- Charging function cannot be guaranteed for all devices fitting the connection. Be sure to confirm your device is compatible prior to use.
- We recommend use in conjunction with a commercially available extension socket or similar when the device cannot be securely fixed because of spatial restrictions around the accessory socket.
- This product is designed for use in cars manufactured for the Japanese market.
- This product is a precision instrument. Do not subject it to severe impacts or handle it roughly as this may cause malfunction.
- Be sure to read the instruction manual prior to use, and store it carefully with a receipt that can be used to confirm the date of purchase.
- When this product is in use, noise, or interference, may become audible in music being played with the car audio system.
- The image on the package is for representational purposes only, and may differ slightly from the actual product.
- This product is for negatively earthed vehicles only. Do not use with vehicles which are positively earthed.
- The fuse for this product is not replaceable.

#### USB port

- Devices requiring an output power greater than a single port's rated 5V/2.4A cannot be used. Furthermore, a combined output of greater than 2.4A for both ports cannot be sourced. For iPads or tablet computers, make sure that only one device is connected at any time.
- This product has a function to distinguish between Apple products and other equipment. Therefore, charging is performed using optimum conditions, regardless of the type of connected equipment or cable. However, when two ports are used simultaneously, the output may be limited depending on the total value of output requested.
- This product does not include a USB connector cable. Please purchase one separately.
- The USB ports can only connect to Type-A terminals. Also, please be careful with regard to front-rear orientation when inserting the connector.
- The product is dedicated to purposes of power supply / charging, and data can neither be transmitted nor received.
- Depending on the conditions and status at the time of use, the charging speed may decrease, or power supply / charging may not be possible. If such an problem occurs when using multiple simultaneous connections, please disconnect one device at a time and monitor progress while in use.

# Safety precautions

Be sure to observe the following precautions in order to ensure safe and correct use.

## DANGER

-  Operating this product and any devices connected to it while driving is highly dangerous, and this should not be attempted under any circumstances.  
Stop the car and check the safety of the surroundings prior to operation.
-  Never allow this product to get wet as this may result in fire, electric shock or malfunction.
-  This product contains small parts, which may cause suffocation if placed in the mouth.  
Use and store this product out of reach of small children.
-  Never attempt to disassemble or remodel this product as this may result in fire, electric shock, burn injuries or malfunction.  
In addition, our company cannot accept any responsibility or guarantee for disassembled or remodeled products.
-  Do not insert your fingers or other objects into the accessory socket as this may cause electric shock or short circuit, and can be extremely dangerous.

## WARNING

-  Immediately disconnect this product from the accessory socket and stop use if you notice abnormalities such as strange smells or smoke coming from the product.
-  For safety reasons, please do not install in places which will interfere with driving, or with the operation or effectiveness of the air bag.
-  Be sure to insert this product into the accessory socket after having started the car engine, as there is a risk of fire or damage to the product.
-  Be sure not to damage the cable as this can result in fire or electrical cut-off.
-  Do not use when dust or foreign objects are present in the accessory socket as this may cause electrical failure or fire.

## CAUTION

-  We can accept no responsibility or guarantee for incidental damages due to using this product, such as the malfunction of connected equipment, corruption or loss of stored data, or missed opportunities due to communication failures or similar.  
Be sure to make copies / backups for all types of memory prior to use.
-  Depending on the model, the actual voltage may be 30V or more for 24V vehicles.  
Use of this product with such a vehicle may result in failure so we recommend that you measure the voltage in your vehicle prior to use.
-  This product may stop in models where the voltage drops suddenly as the engine stops, such as idling stop cars.  
In such cases, switch off the idling stop function when using the product.
-  This product may become hot during use but this does not mean it is faulty.  
Please take care when handling.
-  Keep in mind that the cigarette lighter function may be adversely affected if this product is left inserted in the accessory socket for a long period of time.

### Please be aware of the following precautions.

- Do not use or store this product in places where the temperature or humidity is high, in places prone to static electricity or with large amounts of dust.
- For vehicle models in which the accessory socket is continuously energized, please be sure to remove this product from the accessory socket when it is not in use, unless the battery will be dead.
- Do not use with the engine stopped as this may exhaust the battery.
- When connected for charging, the charging time may be lengthened depending on applications started, function use status, battery condition.  
Also, even with genuine equipment and with identically rated output values, exact specifications differ, so there may be differences in charging times.
- When connected for charging whilst simultaneously using high power consumption applications or functions, the connector terminal may become hot.  
Depending on the terminal, the heating may cause charging or certain functions to stop, so in such cases, resume use after the terminal temperature has dropped.
- Charging may fail due to deterioration of the batteries in connected devices.
- If the battery in the connected device is fully depleted, it may take time to start charging or charging may not start at all.  
If charging does not start at all, then charge using the device's dedicated charger.
- When disconnecting the connector, grasp the connecting part, and not the cable, before pulling it directly out.
- If this product becomes dirty, wipe clean with a soft cloth containing a small amount of water or diluted neutral detergent.
- Do use benzene or thinners as this may result in deformation or discoloration.
- Disposal should be in accordance with the regulations of the local governing authority.
- The usage, appearance or similar of this product may be changed without prior notice for purposes of improvement.

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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.

This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

- In order to make improvements to this product, the design and specifications are subject to change without prior notice.
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Car Charger for iPhone/Android  
Manual, Safety precautions, and Compliance with regulations  
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