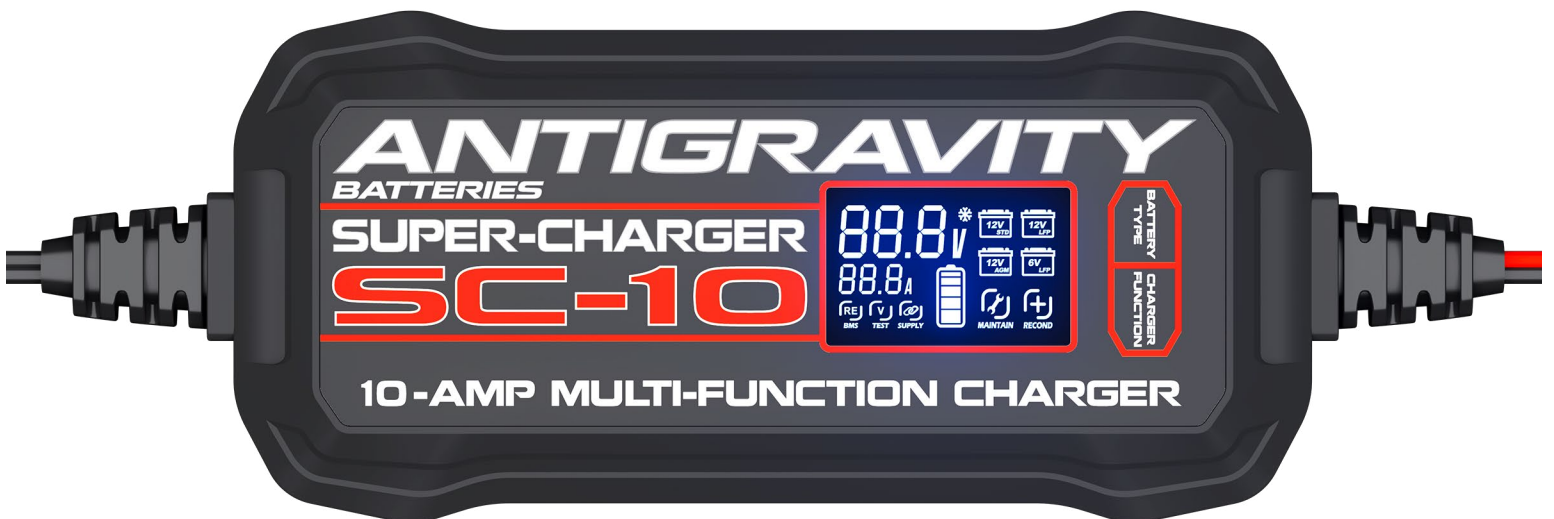
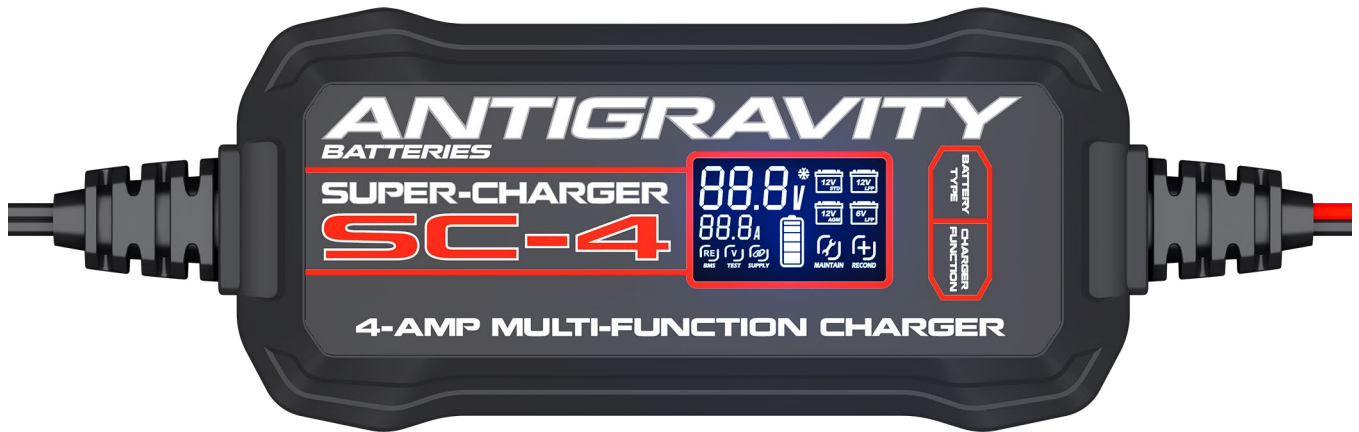


**ANTIGRAVITY BATTERIES**

# **SUPER-CHARGER SC-4/SC-10**

**USER MANUAL**



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### DANGER - WARNING!



PRIOR TO USE, READ AND UNDERSTAND THIS MANUAL AND SAFETY INFORMATION. Failure to follow the instructions may result in ELECTRICAL SHOCK, EXPLOSION, or FIRE, which may result in SERIOUS INJURY, DEATH, or DAMAGE TO VEHICLE or PROPERTY. Do not discard this information.



## Introduction

### THANK YOU

Thank you for purchasing Antigravity Batteries "SUPER-CHARGER", a Multi-Function Automotive, Motorcycle and Powersports Battery Charger. The SUPER-CHARGER offers the latest advancements in microchip charging technology as well as features that allow for functionality surpassing what the average charger can do.

### YOUR ANTIGRAVITY SUPER-CHARGER OFFERS THE FOLLOWING FUNCTIONALITY:

1. Charge and Maintain 12v Batteries in Lead/Acid formats such as Standard Lead/Acid (FLA), AGM, and Gel.
2. Charge and Maintain 6v and 12v Lithium Iron Phosphate (LiFePO4/LFP) Batteries.
3. On-Board BMS RE-SET Function (Voltage/Current pulse to awaken a Lithium Battery's BMS).
4. On-Board Voltage Tester so you can check the Voltage of your Battery without needing a separate Multimeter.
5. On-Board Power Supply: 14v @ 4-Amps for Model SC-4, 10-Amps for Model SC-10 (not intended as a high current Power Supply).
6. Easy to read LCD DIGITAL SCREEN with real-time Voltage\Current and other important information when charging.
7. A Lead/Acid Battery Recondition feature and automatic Winter Mode.  
(Recondition is FOR USE ONLY WITH LEAD/ACID BATTERIES! DO NOT USE WITH LITHIUM BATTERIES!)

*For more information feel free to Contact us.*

info@antigravitybatteries.com  
antigravitybatteries.com  
themicrostart.com  
310 527 2330

Antigravity Batteries  
15622 Broadway Center St.  
Gardena CA  
90248

## IMPORTANT! READ FIRST!



**READ AND FULLY UNDERSTAND ALL SAFETY INFORMATION BEFORE USING THIS PRODUCT!** Failure to follow these safety instructions may result in ELECTRICAL SHOCK, EXPLOSION, or FIRE, which may result in a SERIOUS INJURY, DEATH, or PROPERTY DAMAGE.

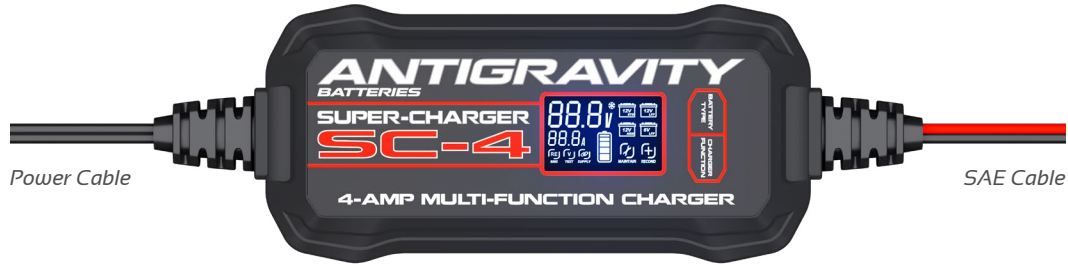


### IMPORTANT SAFETY WARNINGS

1. Use ONLY for the designated batteries stated in this User's Manual. The battery charger cannot be used for non-rechargeable batteries or other Battery Chemistries not listed here.
2. This product must be recycled or disposed of separately from household waste, at an authorized place for recycling of electrical and electronic appliances. By collecting and recycling waste, you help save natural resources, and make sure the product is disposed of in an environmentally friendly and healthy way.
3. The SC-4 and SC-10 are designed to charge 6V and 12V (12.8V) LiFePO<sub>4</sub>/LFP Batteries, and 12V lead-acid batteries. **NEVER USE A 12v SETTING on a 6v Battery.** These Chargers cannot be used as Chargers or Power Sources for other Battery Chemistries or purposes not described in this User Manual, in order to avoid accidents such as fire and personal injury, death or property damage.
4. These chargers are only designed to be used with the correct power outlet receptacle. If the power cable needs to be used with an extension cord, ensure the wire of the extension cord is of a sufficient size/gauge for the supply of voltage and current over the distance required.
5. If the charger is damaged by an accident, such as a fall/crush, overload from lightning strike, or other incident, stop the use and contact Antigravity Batteries for support or repair. Do not dismantle the charger. Only Antigravity Batteries, or its Authorized Agent, shall repair or replace the unit. Incorrect reassembly may result in a fire hazard and/or electric shock.
6. Disconnect the charger from any connected battery and the main power supply prior to cleaning the unit.
7. When finished charging, disconnect the battery charger from the main power supply, then remove the battery connection at the terminals.
8. **Warning: Explosive Gases.** Lead/Acid Batteries can release Hydrogen when charging; provide adequate ventilation during charging. Only use this Charger in places that are well-ventilated, dry, free from high dust, flammable vapors, flames and sparks.
9. Keep the Charger away from direct contact with the battery; mount in a solid and stable location away from other devices. Never place the charger directly on the battery or the battery on the charger. Keep out of direct sunlight.
10. Use your vehicle manufacturer's suggested connection method for a Charger. Connect the Positive Charger Clamp first, then the Negative Clamp to the Vehicle's specific charging post or ground. Do not connect Charger Clamps to fuel lines, electrical wiring other than main battery's Positive and specific Chassis Ground locations.
11. This charger is not intended for use by children or persons with reduced physical, reduced sensory/mental capabilities, or lack of experience and knowledge with use of a Charger.
12. Batteries store a large amount of energy. Be sure to avoid short-circuiting the battery or charger terminals. Do not wear jewelry when working around batteries or a Charger, it can result in fire or personal injury. Wear Eye Protection and Gloves when working with Batteries.
13. During charging, if the temperature of Charger exceeds 104°F (40°C), the Charger's current shall be reduced by the Charger. If temperature exceeds 113°F (45°C), charging will be stopped. Charging shall not be recommenced until the Charger temperature is reduced to safe limits. This is part of the Charger's built-in Safety Features.

**CALIFORNIA RESIDENTS PROPOSITION 65:** Related accessories may contain materials that are known to the State of California to cause cancer and birth defects and other reproductive harm.

## In the Box



**SC-4 or SC-10  
SUPER-CHARGER**



**CLAMPS**

*For typical clamp connection to battery*



**PIGTAIL ADAPTER**

*To connect to vehicle's battery for easy charging without the clamps*



**CIG-LIGHT ADAPTER**

*To connect to a device's Cig Lighter Plug (for use with Power Supply Mode)*



**USER MANUAL**

## Specifications

|   | <b>SC-4</b>                          | <b>SC-10</b>                         |
|---|--------------------------------------|--------------------------------------|
| MAINS VOLTAGE                           | 110-120V, 50-60 Hz                   | 110-120V, 50-60 Hz                   |
| POWER RATING MAX                        | 70 W                                 | 150 W                                |
| NOMINAL OUTPUT VOLTAGE                  | 6V DC / 12V DC                       | 6V DC / 12V DC                       |
| MAX. OUTPUT CURRENT AT 6V               | 2A                                   | 2A                                   |
| MAX. OUTPUT CURRENT AT 12V STD/AGM/LFP  | 4A                                   | 10A                                  |
| BATTERY CAPACITY "12V STD/AGM/LFP"      | 3Ah - 120 Ah                         | 7Ah - 200 Ah                         |
| BATTERY CAPACITY "6V LFP"               | 3Ah - 60 Ah                          | 3Ah - 60 Ah                          |
| BATTERY CAPACITY "12V MAINTENANCE" (1A) | 12v only 3Ah - 32 Ah                 | 12v only 3Ah - 32 Ah                 |
| "POWER SUPPLY" FUNCTION OUTPUT MAX.     | 4A                                   | 10A                                  |
| "RECOND" CHARGING PROGRAM               | 16.5V DC / 1.5A<br>(not for Lithium) | 16.5V DC / 2.5A<br>(not for Lithium) |
| PROTECTION CLASS                        | II                                   | II                                   |
| PROTECTION TYPE                         | IP65                                 | IP65                                 |
| OPERATION TEMPERATURE                   | -4°F-104°F<br>(-20°C-40°C)           | -4°F-104°F<br>(-20°C-40°C)           |

**NOTE:** deviation current is  $\pm 10\%$ , voltage is  $\pm 0.3 V$

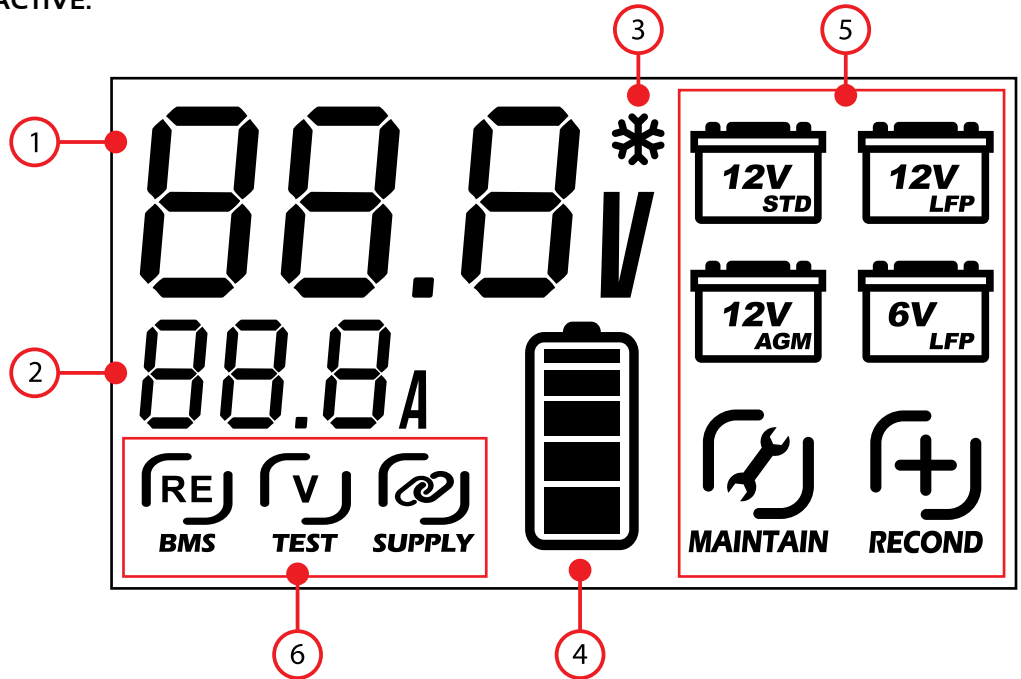
## The LCD Display (SC-4 & SC-10)



### LCD DISPLAY OVERVIEW

ICONS DO NOT SHOW UNLESS ACTIVE.

1. Voltage Value
2. Current Value (Amps)
3. Winter Mode (Automatic)
4. Charging Level Indicator (20%, 40%, 60%, 80%, 100%)
5. Battery Type Button (12V STD, 12V LFP, 12V AGM, 6V LFP, Maintain, Recondition)
6. Battery Function Button (RE-SET BMS, Voltage Test, Power Supply)



### LCD DISPLAY - BATTERY TYPE

| Mode  | Icon | Max Charging Current             | Max Charging Voltage | Explanation   |
|---|------|----------------------------------|----------------------|---|
| Voltage/Current Value Display                                   |      | NOT APPLICABLE                   | NOT APPLICABLE       | Indicates the Charging Voltage and Charging Current during charging |
| 12V STD<br><i>Never charge 6v Batteries with a 12v Setting!</i> |      | 4A (for SC-4)<br>10A (for SC-10) | 14.4V                | Charge 12V Standard (FLA) Lead/Acid batteries                       |
| 12V LFP<br><i>Never charge 6v Batteries with a 12v Setting!</i> |      | 4A (SC-4)<br>10A (SC-10)         | 14.6V                | Charge 12V LiFePO4/LFP batteries                                    |
| 12V AGM<br><i>Never charge 6v Batteries with a 12v Setting!</i> |      | 4A (SC-4)<br>10A (SC-10)         | 14.8V                | Charge 12V AGM/Gel batteries  |

**NOTE:** deviation current is  $\pm 10\%$ , voltage is  $\pm 0.3V$



## The LCD Display (SC-4 & SC-10)



### LCD DISPLAY - BATTERY TYPE

| Mode   | Icon         | Max Charging Current        | Max Charging Voltage | Explanation  |
|--|--------------|-----------------------------|----------------------|--|
| 6V LFP   |              | 2A                          | 7.3V                 | Charge 6V LiFePO4/LFP batteries  |
| 12V Maintain<br><b>FOR LEAD/ACID ONLY!</b><br><i>Never charge 6v Batteries with a 12v Setting!</i> | <br>MAINTAIN | 1A (SC-4)<br>2A (SC-10)     | 14.4V                | Maintains 10Ah or less 12V Lead/Acid batteries with a low charging current<br><i>Please note: Automatic Maintenance occurs in all Battery Charging modes. This is a separate mode only for small batteries</i> |
| Recondition<br><b>FOR LEAD/ACID ONLY!</b><br><i>Never charge 6v Batteries with a 12v Setting!</i>  | <br>RECOND   | 1.5A (SC-4)<br>2.5A (SC-10) | 16.5V                | Recondition mode for old damaged batteries. Not all batteries can be recovered   |



### LCD DISPLAY - CHARGER FUNCTION

| Mode   | Icon | Max Charging Current     | Max Charging Voltage | Explanation  |
|--|------|--------------------------|----------------------|--|
| RE-SET BMS MODE<br><b>FOR 12V LIFEPO4 ONLY</b> |      | 4A (SC-4)<br>10A (SC-10) | 14V                  | Used to AWAKEN a BMS that has gone into sleep/protection mode on Lithium Batteries. After 5 min, goes into charging mode   |
| Voltage Test                                   |      | NOT APPLICABLE           | NOT APPLICABLE       | Tests the Voltage of the battery the CLAMPS are connected to. Allows you to test voltage without needing a Multimeter  |
| 12V Power Supply                               |      | 4A (SC-4)<br>10A (SC-10) | 14V                  | This mode is used to supply power to the clamps of the Charger for powering small electronic devices.<br>Includes Cig-Lighter Adapter for ease of connection to some 12v Devices |

| Mode                                | Icon | Max Charging Current                          | Max Charging Voltage                     | Explanation  |
|-------------------------------------|------|---|--|--|
| Winter Mode (Automatic)             |      | Charging current depends on the selected mode | Max Voltage depends on the selected mode | Special charging mode for Winter, activated automatically when ambient temperature is lower than 40°F (5°C). Allows a 0.2v higher charging voltage |
| Battery Capacity Charging Indicator |      | NOT APPLICABLE                                | NOT APPLICABLE                           | Displays the approximate battery capacity (1 increment = 20%). When fully charged, the voltage number symbol will display "FUL"                    |

**NOTE:** deviation current is ± 10% , voltage is ± 0.3 V

## Using the Super-Charger

The Antigravity Batteries Super-Charger is simple to use with only 2 buttons to access its features.



### THE BATTERY TYPE BUTTON

Used to select the battery chemistry and/or the type of charging.

*Press the button to scroll to desired ICON/Option before connecting clamps to battery.*

- **12v STD** (Standard Wet Lead/Acid Batteries)
- **12v LFP** (12V LiFePO4/LFP Automotive, Motorcycle or Powersports Batteries)
- **12v AGM** (Absorbed Glass Mat and Gel formats of Lead/Acid Batteries)
- **6v LFP** (6V LiFePO4/LFP Automotive, Motorcycle or Powersports Batteries)
- **MAINTAIN:** Low current mode maintains smaller Ah Lead/Acid battery over longer-term storage periods.
- **RECOND** (Recondition): Used to recondition older or damaged Lead/Acid Batteries. (Not all batteries can be recovered.) **NOT FOR USE ON ANY LITHIUM BATTERY.**



### THE CHARGER FUNCTION BUTTON

Used to select special functions.

*Press the button to scroll to desired ICON/Option before connecting to battery.*

- **RESET BMS** function: Allows you to AWAKEN a Lithium Battery's BMS that is in Sleep/Protect Mode. *RESET BMS is ONLY FOR 12v LIFEPO4/LFP BATTERIES. Never charge 6v Batteries with a 12v Setting!*
- **TEST** (Voltage Tester): Allows you to check the battery voltage without needing a Multimeter.
- **SUPPLY** (Power Supply): This feature allows for continuous output of approx 14v DC (depending on load) and current to maintain settings in the vehicle if you replace the battery, or to power low-current items such as small inflator pumps or electronics. (Not for use in Car ECU Tuning.) Do not leave the Charger unattended if using this feature.



## Charging Your Battery

**IMPORTANT:** DO NOT operate the charger until you confirm the correct charging mode for your battery. Verify the voltage and chemistry of the battery by consulting the manufacturer's manual, or by reading the label on the battery. Do not use Lead/Acid Settings for Charging Lithium Batteries or vice-versa. **Never charge 6v Batteries with 12v Settings; risk of fire, personal injury, death or property damage.**



### HOW TO CHARGE YOUR BATTERY

1. Plug in the Antigravity Super-Charger to a suitable 110v-120v electrical outlet.
2. Select the Proper Battery Chemistry and Voltage using the "BATTERY TYPE" Button before Charging; your selection will depend on your particular battery type.  
*NOTE: The Charger will save your last used "BATTERY TYPE" selection for the next time you use it. You will not have to re-set the "BATTERY TYPE" if you charge the same battery type again.*
3. Connect the Super-Charger's Clamps to the Correct Polarity of your Battery. Red Clamp to Positive (POS) Terminal of the battery first, and the Black Clamp to the Negative Terminal (NEG) of Battery, or specified Ground/Negative point per the vehicle's manufacturer. Do not make any connections to fuel lines, carburetors, sheet metal or electronics.

When the clamps are connected to the Battery, the Super-Charger will begin charging, then maintain your battery after it has been fully charged. The LCD Screen will display the Voltage and Amps during charging, and the Battery Capacity Indicator will give an estimate of the battery's state of charge. When the Charge Cycle is completed the Screen will read "FUL". The Charger at times will display a flashing "V" symbol when it is maintaining the battery after a charge.

*Charging may take 30 minutes to over 24 Hours depending on the Amp Hours and State of Charge of your Battery.*

**PLEASE NOTE:** The 6v and 12v options must be selected BEFORE the Charger is connected to the battery.

## Using the Voltage Tester

The Antigravity Batteries Super-Chargers offer a very useful VOLTAGE TEST MODE. This allows you to check the voltage of your battery without the need to have a Multimeter or separate Voltage Tester.



### CHECKING THE VOLTAGE ON YOUR BATTERY

1. Plug in the Antigravity Super-Charger to a suitable 110v-120v electrical outlet.
2. Press the "CHARGER FUNCTIONS" Button to scroll to the "TEST" Icon.
3. Connect the Super-Charger's Clamps to the Correct Polarity of your Battery. Red Clamp to Positive (POS) Terminal of the battery, and the Black Clamp to Negative Terminal (NEG) of the battery.
4. When the clamps are connected to the battery, the Voltage will be displayed on the LCD Screen in roughly 3 seconds.

TEST ICON



## Using the Power Supply

**IMPORTANT/WARNING:** USE THIS MODE WITH EXTREME CARE. IT SUPPLIES LIVE POWER TO THE CLAMPS AND BYPASSES THE SAFETY FEATURES OF THE CHARGER. DO NOT TOUCH THE CLAMPS TOGETHER, OR USE WITH PRODUCTS NOT COMPATIBLE WITH THE VOLTAGE OR CURRENT OUTPUT PROVIDED BY THE CHARGER! RISK OF SPARKS, FIRE, EXPLOSION, PROPERTY DAMAGE, INJURY OR DEATH. MAKE SURE YOUR POLARITY CONNECTIONS ARE CORRECT.

**THIS MODE IS NOT INTENDED FOR INSTALLING "TUNES" ON CARS. IT HAS TOO LOW OF AN OUTPUT.**



### USE OF THE POWER SUPPLY MODE

The POWER SUPPLY Feature of the Super-Charger is used to supply 12-14VDC constant current/constant voltage power to the Super-Charger's Clamps. This can be useful when you are changing out a battery. It allows you to keep the Vehicle's system energized therefore saving your computer settings for the Car. It can also be useful to power small electronics, small inflatables or other 12VDC power devices.

We have included a Female Cig-Lighter adapter to allow easy connection for 12v Devices using the Cig-Lighter type of Plug. Do not exceed the Power Supply's rating, or use unattended.

*The SC-4 offers 14VDC at 4A MAX. The SC-10 offers 14VDC at 10A MAX.*

1. Plug in the Antigravity Super-Charger to a suitable 110v-120v electrical outlet.
2. Press the "CHARGER FUNCTIONS" Button to scroll to the "SUPPLY" Icon.
3. Connect the Super-Charger's Clamps to the Correct Polarity of your Device. Red Clamp to Positive (POS) Terminal of the device, and the Black Clamp to Negative Terminal (NEG) of the device you will power, then turn on the device to be powered. If using the Cig-Lighter Adapter, simply swap the Clamps for the Adapter on the end of the Charging Cable.

POWER SUPPLY ICON



## Using the Maintain Mode

The Antigravity Batteries Super-Chargers offer a useful MAINTAIN FEATURE; this is mainly for Lead/Acid Batteries less than 10 Amp Hours. It charges at a lower rate of Amps and is best for long-term connections on smaller vehicles such as Motorcycles, Lawn Tractors, and similar Vehicles.

**PLEASE NOTE: ALL CHARGING PROFILES IN THE SUPER-CHARGER AUTOMATICALLY MAINTAIN YOUR BATTERIES. THERE IS NO NEED TO SELECT THIS MODE TO MAINTAIN YOUR BATTERY. THIS IS A SPECIAL MAINTENANCE MODE SPECIFICALLY FOR "SMALL BATTERIES".**



### USE OF THE MAINTAIN MODE **FOR 12V LEAD/ACID ONLY!** NOT FOR USE WITH 6V BATTERIES

1. Plug in the Antigravity Super-Charger to a suitable 110v-120v electrical outlet.
2. Press the "BATTERY TYPE" Button to scroll to the "MAINTAIN" Icon.
3. Connect the Super-Charger's Clamps to the Correct Polarity of your Battery. Red Clamp to Positive (POS) Terminal of battery, and Black Clamp to Negative Terminal (NEG) of battery.
4. When the clamps are connected to battery, Maintaining will begin.

MAINTAIN ICON



## Using the Recondition Mode

The Antigravity Batteries Super-Chargers offer a 12V Recondition mode **FOR 12v LEAD/ACID BATTERIES ONLY!** This is an advanced battery recovery mode for repairing old, damaged, sulfated or stratified batteries. Lead/Acid Batteries may become damaged if kept at a low charge or never fully charged. The most common battery problems are sulfation and stratification; both will artificially raise the open circuit voltage, causing the battery to appear charged, yet the battery will have low capacity. You can use the Recondition Mode in an attempt to reverse these problems. Not all batteries can be recovered. For best results, take the 12-volt Lead/Acid battery through a full charge cycle before using the RECONDITION mode. **CAUTION: USE THIS MODE WITH CARE. THIS MODE IS FOR 12-VOLT LEAD-ACID BATTERIES ONLY. THIS MODE USES A HIGHER VOLTAGE CHARGING AND MAY CAUSE SOME WATER LOSS IN WET LEAD/ACID BATTERIES. DO NOT USE WITH LITHIUM BATTERIES AS IT CAN CREATE RISK OF SPARKS, FIRE, EXPLOSION, PROPERTY DAMAGE, INJURY, AND DEATH.**

### RECONDITION ICON



### USE OF THE RECONDITION MODE **12V LEAD/ACID ONLY!**

1. Plug in the Antigravity Super-Charger to a suitable 110v-120v electrical outlet.
2. Press the "BATTERY TYPE" Button to scroll to the "RECOND" Icon.
3. Connect the Super-Charger's Clamps to the correct Polarity of your Battery. Red Clamp to Positive (POS) Terminal of the battery, and the Black Clamp to Negative Terminal (NEG) of the battery.
4. When the clamps are connected to the battery, Recondition Mode will begin.



**RECONDITION MODE IS NOT FOR USE WITH LITHIUM BATTERIES!**

## Using the Winter Mode

The Antigravity Batteries Super-Chargers offer a useful AUTOMATIC WINTER MODE; this allows for better charging of batteries in colder temperatures below 40 degrees F (5°C). It is automatic depending on the ambient temperature.



### USE OF THE AUTOMATIC WINTER MODE

1. The Winter Mode Feature is an AUTOMATIC ACTIVATION mode. It will activate if the Charger senses the temperature to be below approximately 37 degrees F.
2. The SNOWFLAKE Icon will light if Winter Mode is in progress.
3. No interaction between the User and the Charger is necessary.

### WINTER CHARGING ICON



## Using BMS Wake-Up Mode

A LiFePO<sub>4</sub> Lithium Battery with a BMS (Battery Management System) will sometimes enter its BMS Protection Mode if overdischarged and put the Lithium Battery into a SLEEP/PROTECTION MODE. The Antigravity Super-Chargers offer a BMS Wake-Up feature for those using 12v Lithium (LiFePO<sub>4</sub>) Batteries in their Vehicles, Boats, RVs and more. Note: Not all BMS can be awakened; it depends on the manufacturer's BMS and its parameters.



### USE OF THE BMS WAKE-UP FEATURE **12V LFP/LiFePO<sub>4</sub> ONLY!**

1. Please NOTE: You must limit any current draw on the battery from the Vehicle for the BMS wake-up to work well. Turn off any lights or accessories on the vehicle and have the Key off. This will allow the Charger's full Voltage/Current to be applied to wake up the Lithium Battery's BMS. If the draw from accessories/vehicle exceeds 1.5A-2A it may prevent the BMS from waking up.
2. Plug in the Antigravity Super-Charger to a suitable 110v-120v electrical outlet.
3. Press the "CHARGER FUNCTION" Button and scroll to the "RE-BMS" Icon.
4. Attach the Positive (RED) Clamp first, then the Negative Clamp (BLACK) to the Battery's Posts. The Super-Charger will attempt to AWAKEN the Battery's BMS by sending pulses of energy to it. This can take from 3 seconds to 2 minutes depending on the BMS. If the BMS reset is successful the Charger will automatically go into its LIFEP04/LFP mode of charging after 5 minutes. Let it continue Charging until the battery is fully recharged.
5. In the event you cannot get the Battery's BMS to reset, you may have to remove the Vehicle's negative Battery Cable from the Battery to ensure nothing is taking the Super-Charger's energy from going directly to awaken the BMS. If successful and charging commences, allow at least 20 minutes of charging before reattaching the Negative Terminal to the Battery, then continue charging it until full.
6. The 10-Amp Charger is better at waking the BMS than the 4-Amp due to putting out more current.

#### BMS RESET ICON



## Troubleshooting the Charger



### TROUBLESHOOTING

#### 1. If the Charger reads "ERR" check the following:

- A. Check polarity connection is correct.
- B. Check that Clamps are not connected together.
- C. Check if there is voltage at the battery; the Charger needs to see voltage from the battery or it will not start charging battery.
- D. If in the "BMS RE-SET" Mode, Charger will read "Err" if current draw from Battery/Accessories is exceeding the output of the Charger. For example if the vehicle lights are on, they will draw more energy than the Charger is putting out, so the BMS re-set feature will not work and charger will show "Err".
- E. If any battery is over 17v, the Charger will read "Err".

#### 2. If the Charger reads "BAD"

The Super Charger may read "BAD" when attempts at charging have been unsuccessful, or battery does not hold a charge. This does not mean the battery is actually faulty or not useable; this reading could occur due to a loose connection or interruption in the charging. It is best to ensure a good connection and try again. If you get another "BAD" reading the battery may be faulty, but should be tested by a professional for a final determination.

## Protections

The Antigravity Super-Charger has multiple built-in protections:

- SHORT-CIRCUIT PROTECTION
- OVER-LOAD PROTECTION
- LOW-VOLTAGE PROTECTION
- HIGH-VOLTAGE PROTECTION
- OVER-DISCHARGE PROTECTION
- OVER-TEMPERATURE PROTECTION
- OVER-CHARGE PROTECTION
- REVERSE CONNECTION PROTECTION - If connected incorrectly Charger will show "Err"

### THE PRODUCT HAS THE FOLLOWING CERTIFICATIONS:

USA Certifications: ETL, FCC, DOE, CEC

EU Certifications: GS, EMC, ROHS

## Limited Warranty

### 1 WARRANTY PERIOD

For full Warranty terms and information visit our Warranty page: <https://antigravitybatteries.com/warranty/>

Antigravity Batteries LLC warrants to the original purchaser that our Chargers are free of defects in material and workmanship for the term of 3 years. Visit our website to see the full Warranty terms and to Register your Antigravity Super-Charger. Warranty is not Transferable.

### 2 YOUR WARRANTY INCLUDES

- **Lifetime Support**  
Contact us via phone, email or live-chat for product support after your purchase.
- **30 Days Money Back Guarantee**  
You can return the product within the first 30 days for a full refund.

### 3 WARRANTY ELIGIBILITY

The Warranty is made to the original purchaser from ANTIGRAVITY BATTERIES and “Authorized Resellers” and does NOT extend to any other persons or entities. The warranty is NOT assignable; a Warranty Claim is the obligation of the original purchaser.

1. The Product must be purchased from an Authorized Dealer.
2. The Product must be registered within 30 days of purchase.

## Customer Service



3 Years Limited Warranty Service



Lifetime Technical Support



[info@antigravitybatteries.com](mailto:info@antigravitybatteries.com)



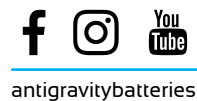
<https://antigravitybatteries.com/help-center/>



310-527-2330  
Mon-Fri PST 7:30am-4pm



Live Chat with Our Techs



[antigravitybatteries](https://antigravitybatteries.com)

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