

ANTIGRAVITY BATTERIES

MICRO-START SPORT

USER MANUAL



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DANGER - WARNING!



PRIOR TO USE, READ AND UNDERSTAND THE [SAFETY INFORMATION GUIDE](#) AND THIS USER MANUAL.

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.

Welcome

THANK YOU

Thank you for purchasing the Antigravity Batteries MICRO-START SPORT. The SPORT is an ultra-compact Jump-Starter and Personal Power Supply (PPS). Just charge it and take portable power with you wherever you go, no electricity needed. It can jump-start your vehicles as well as charge all your 5V USB devices (Phones, Tablets, GoPro Cameras, and more). It comes as a complete kit with accessories in a durable nylon, zippered Carry Case. Please read and understand this User Guide and the [Product Safety Information](#) before operating the product.

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

GETTING STARTED

The MICRO-START SPORT comes partially charged out of the box and should be fully charged prior to use. Carefully read and understand the Vehicle Owner's Manual on specific precautions and recommended methods for jump-starting your particular vehicle. Make sure to determine the voltage of your system and type of battery by referring to your Battery Owner's Manual prior to using this product.

**The SPORT is for jump-starting 12-volt starter batteries only and for charging USB devices.
Please read this manual completely before use.**

BEFORE CONNECTING TO ANY BATTERY

Before connecting to the vehicle's battery, verify that you have a 12-volt vehicle system. The SPORT is not suitable to jump-start any other voltage of battery. Identify the correct polarity of the battery terminals on the battery. The positive battery terminal is normally RED and marked by these letters or symbols (POS, P, +). The negative battery terminal is typically BLACK and marked by these letters or symbols (NEG, N, -). Do not make any connections to the carburetor, fuel lines, or thin metal parts for grounding. These instructions are for a negative ground system (most common). If your vehicle is a positive ground system (very uncommon), follow the instructions in reverse order.

Safety Precautions



PERSONAL PRECAUTION

READ AND UNDERSTAND ALL SAFETY INFORMATION BEFORE USING THIS PRODUCT. FAILURE TO FOLLOW THESE SAFETY INSTRUCTIONS MAY RESULT IN ELECTRICAL SHOCK, EXPLOSION, FIRE, WHICH MAY RESULT IN SERIOUS INJURY, DEATH OR PROPERTY DAMAGE.

- 1) Do not leave the product in or expose product to extremely high temperatures such as direct hot sunlight, or on dashboards or other extremely hot areas above 110°F (43°C). Swelling may occur. Stop use of product if this occurs and contact manufacturer.
- 2) Do not use product for any use other than intended.
- 3) Do not use Jump-Start Port to power devices, it is ONLY for Jump-Starting.
- 4) Do not Jump-Start with less than 3 lights lit on Capacity Indicator.
- 5) Do not Jump-Start more than 4 seconds per attempt (overheating may occur).
- 6) Do not Jump-Start more than 3 attempts in a row without allowing to cool.
- 7) Do not allow the SPORT to become wet; do not immerse in water.
- 8) Do not operate the SPORT in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
- 9) Do not modify or disassemble; there are no serviceable parts inside.
- 10) Do not use as a replacement battery for vehicles.
- 11) Do not leave the SPORT connected to vehicle. Remove within 30 seconds of starting vehicle.
- 12) Do not clamp the Red and Black Clamps together.
- 13) Do not allow Children to play with this product unsupervised. Not recommended for use by infirm persons.
- 14) Do not leave battery products unattended while charging.
- 15) Do not charge frozen batteries; charge only between 34°F and 104°F (1°C and 40°C).
- 16) Do not subject to heat higher than 120°F (50°C) or swelling of pack could result. Discontinue use if swelling occurs.
- 17) Do not store in locations where the temperature may exceed 110°F (43°C).



OPERATING PRECAUTIONS

- 1) Make sure the BLUE PLUG of the MINI CLAMPS is plugged and seated fully into the SPORT. This connection must be good or it could overheat the unit.
- 2) Make sure to check all the battery connections are clean. Remove corrosion or dirt that prevents a solid connection of clamps to vehicle battery terminals.
- 3) Make sure clamps have a good "bite" on Battery Terminals for the most power.
- 4) Make sure the SPORT has a minimum 3 lights on the Capacity Indicator lit before Jump-Starting.
- 5) Make sure to remove the product from the vehicle battery within 30 seconds of Jump-Starting.
- 6) Remove Clamps from SPORT when not in use.

Product Overview



POWER BUTTON

CAPACITY INDICATOR

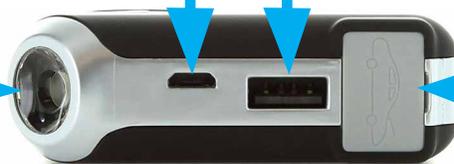


MICRO USB INPUT
(to charge SPORT)

5V-2A USB OUTPUT
(to charge Devices)

LED FLASHLIGHT

JUMP-START PORT



Kit Contents



CARRY CASE



SPORT POWER SUPPLY



**4-INTO-1
USB CABLE**



SMART CLAMPS

Specifications

CAPACITY: 7,500 mAh / 25.75 Wh	OUTPUT VOLTAGE: 12V
DIMENSIONS: 5 x 2.8 x 1 inches	USB OUTPUT: 5V-2A
CHARGE MODE: CC/CV 5V-1A	START CURRENT: 150A
CYCLE LIFE: 1,000	PEAK CURRENT: 300A
OPERATING TEMP: -22°F to 120°F	CHARGING TEMP: 34°F to 104°F

Product Use



CHECKING THE AVAILABLE CAPACITY

- 1) To check the state of charge/capacity on the SPORT press the Power Button. The SPORT has a lighted capacity indicator which will show the state of charge.
- 2) Each light lit is equal to 25% capacity.

1 LIGHT = 25%

2 LIGHTS = 50%

3 LIGHTS = 75%

4 LIGHTS = 100%



POWER BUTTON



LED FLASHLIGHT OPERATION

- 1) Press and hold the Power Button for 3 seconds to turn on the Flashlight.
- 2) It has 4 light patterns (Normal, Strobe fast, Strobe slow, Red/Blue Flash).
- 3) You can cycle to the next LED pattern by pressing the Power Switch again.
- 4) After the last Flashlight pattern the unit will turn off the Flashlight.

Note: The blue and red flashing pattern is only a novelty, and not to be used in emergency.

DO NOT STARE INTO THE LED FLASHLIGHT, PERSONAL INJURY MAY RESULT.



CHARGING THE SPORT

The SPORT is charged by any USB output device such as a computer or phone charger. You can use the provided 4-into-1 USB Cable to charge the SPORT, or any other high quality USB Charging cable for charging the SPORT.

- 1) To charge, plug the provided USB cable's Micro-USB tip into the SPORT's Input port, and the other end into any USB output device such as a computer, phone charger, 5V USB wall charger, or other device.
- 2) When charging, the indicator lights will flash one by one. The number of solid lights lit indicates the SPORT charge level. All lights solidly lit indicates a fully charged SPORT. After a full charge the unit will turn off the capacity lights. When fully charged remove charger. Do not leave charging over 24 Hours.

NEVER LEAVE ANY ELECTRONIC DEVICES UNATTENDED DURING CHARGING.





CHARGING USB DEVICES

The SPORT has fast charging capability for Phones, Tablets, GPS Devices, GoPro Cameras and more. It charges 5V USB devices at 2.1 Amps.

- 1) Plug the provided 4-into-1 USB Cable (or any standard USB Cable) into the USB output port on the SPORT; plug the other end of cable into the device you are charging.
- 2) Press the Power Button on the SPORT to begin charging your device.
- 3) Disconnect your device when charged.

NOTE: The number of times devices can be charged will vary depending on the size of your device's battery.





JUMP-STARTING A VEHICLE

The SPORT is equipped with MINI CLAMPS that have built-in protections to prevent accidental reverse-polarity connections, over-charge, and more. But caution should always be used when Jump Starting.

READ ALL INSTRUCTIONS AND SAFETY GUIDE BEFORE USING THIS PRODUCT.

- 1) Make sure all the vehicle's lights, radios, air conditioning and accessories are turned Off. Confirm you are connecting to a 12-Volt Battery System.
- 2) Connect the Clamps to the SPORT: the clamps panel will flash alternating Green and Red LEDs - this is normal.
- 3) Connect the Smart Clamps to the Battery of the vehicle: Red Clamp to the Positive (+) Terminal, and Black Clamp to Negative (-) Terminal of Battery. Remove any corrosion; ensure good connection to terminals.
- 4) One of the following LED Light indications will show on the Smart Clamps:

A) GREEN LEDs: Indicates SPORT and Clamps connection is CORRECT. You can now attempt to start vehicle. **Go to Step 5.**

B) RED BLINKING LED: Indicates your connection to the vehicle battery is NOT CORRECT. You will also hear a BUZZ sound. Remove the Clamps and correct the connection.

C) RED AND GREEN FLASHING: Indicates the battery voltage of the vehicle is read to be the proper voltage and does not need a jump-start. Disconnect the clamps and seek issue.

As a safety feature the Clamps will only allow jump-starting if the vehicle battery it is attached to reads the voltage as above 2 volts, or below 11.5v. It will not allow jump-starting outside this range.

- 5) Attempt to Start the vehicle. After starting your vehicle, leave it running, but disconnect the Smart Clamps and SPORT within 30 seconds of starting. The Clamps will flash RED and emit a BUZZ sound to remind you to detach them from the vehicle's battery.



**DO NOT USE THE JUMP-START PORT FOR ANYTHING BUT JUMP-STARTING!
DO NOT LEAVE THE MICRO-START UNIT CONNECTED TO THE VEHICLE!**



Frequently Asked Questions

1 HOW DO I TURN OFF THE SPORT?

The Micro-Start SPORT will automatically power off when it is not powering anything. Usually in about 15 seconds. Disconnect the Clamps when not in use.

2 HOW MANY TIMES CAN IT CHARGE A CELL PHONE?

The SPORT can charge the average phone about 3-4 times depending on the size of the cell phone's battery. The SPORT has 7,500 mAh of capacity.

3 HOW MANY TIMES CAN IT CHARGE A TABLET?

The SPORT can generally charge a tablet from 2-3 times. This depends on the size of the tablet's battery.

4 HOW LONG FOR THE SPORT TO FULLY CHARGE?

It can fully charge from completely dead in 3-4 hours. If some charge is in the SPORT it can charge in much less time.

5 HOW LONG WILL IT TAKE TO CHARGE MY CELL PHONE?

The SPORT can charge a phone in about 40-60 minutes. It depends on the phone, but the Micro-Start does charge USB Devices fast because it has a 2-amp charge rate at one of the USB ports.

6 HOW MANY TIMES CAN IT START A CAR?

This depends on the size of the motor and state of charge, but regular 4 and 6 cylinder cars about 15 times on one charge. V8s about 5 times in a row. Note: It is NOT INTENDED FOR Diesel Motors!

7 HOW LONG CAN THE SPORT HOLD A CHARGE?

On average the SPORT can hold a charge for up to 6 months. This will depend on the conditions it is stored in. Heat and cold can affect this. It is best to check the state of charge at least once every 2-3 months.

8 CAN CLAMPS OR JUMP-START PORT POWER OTHER THINGS?

No, this should not be done. The Jumper Clamp port and clamps should only be used to jump-start vehicles with a minimum of 3 lights lit for the state of charge/capacity. Other uses such as powering other electronics through this port will ruin the device and could cause personal property damage, explosion or fire.

9 HOW BIG OF A MOTOR CAN THE SPORT START?

This depends on the vehicle. A modern V8 up to 350 cubic inch is the largest we recommend. Some older vehicles will not start easily due to inefficient starter systems. Do not continue to attempt to start a vehicle if the SPORT is struggling to start it. This could overheat or damage the unit because it is basically short-circuiting the unit.



Limited Warranty (Non-Transferable)

1 WARRANTY PERIOD

Antigravity Batteries LLC (ANTIGRAVITY) warrants that its products (the "Product") will be free from defects in material and workmanship for a period of one (1) year from the date of purchase (the "Warranty Period"). For defects reported during the Warranty Period, ANTIGRAVITY will, at its discretion, and subject to ANTIGRAVITY's technical support analysis, replace the product. Replacement parts and products will be new or serviceably used, comparable in function and performance to the original part and warranted for the remainder of the original Warranty Period.

THE FOREGOING LIMITED WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANTIGRAVITY'S LIABILITY UNDER THIS LIMITED WARRANTY IS EXPRESSLY LIMITED TO REPLACEMENT (IN THE FORM AND UNDER THE TERMS ORIGINALLY SHIPPED), WHETHER SUCH CLAIMS ARE FOR BREACH OF WARRANTY OR FOR NEGLIGENCE. ANTIGRAVITY SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL LOSSES, DAMAGES OR EXPENSES OF ANY KIND, INCLUDING, WITHOUT LIMITATION, ANY SUCH LOSSES, DAMAGES, OR EXPENSES ARISING DIRECTLY OR INDIRECTLY FROM THE SALE, HANDLING, OR USE OF THE PRODUCT FROM ANY OTHER CAUSE RELATING THERETO, OR FROM PERSONAL INJURY OR LOSS OF PROFIT.

Some states, provinces and countries do NOT allow the exclusion or limitation of incidental or consequential damages or length of an implied warranty so the above limitation(s) or exclusion(s) may NOT apply. This Limited Warranty gives you specific legal rights and you may also have other legal rights, which vary by state, province and country.

2 LIMITED WARRANTY & CLAIMS

This Limited Warranty is made to the original purchaser from ANTIGRAVITY and does NOT extend to any other person or entity and is NOT assignable; a Warranty Claim is the obligation of the original purchaser.

THIS LIMITED WARRANTY IS VOID UNDER THE FOLLOWING CONDITIONS:

- 1) The Product was not purchased from an Authorized Dealer.
- 2) The original purchaser fails to register the Product within 30 days of purchase.
- 3) The Product is misused, subjected to careless handling, or operated under conditions of extreme temperature, shock, or vibration beyond ANTIGRAVITY's recommendations for safe and effective use.
- 4) The Product has NOT been installed, operated, or maintained in accordance with approved procedures.
- 5) The Product is disassembled, altered, or repaired by anyone, except ANTIGRAVITY.
- 6) The electrical connections to the DC output, input ports, jump-start port, USB port of the Product are modified without the express written consent of ANTIGRAVITY.
- 7) The Product is subject to improper storage or accident.
- 8) The Product is charged by any other charger than supplied or approved by ANTIGRAVITY.
- 9) The Product has been used outside its intended use.



Limited Warranty (Continued)

3 WARRANTY DOES NOT COVER

- 1) Normal wear and tear.
- 2) Cosmetic damage that does NOT affect functionality.
- 3) Products where the ANTIGRAVITY Serial number is missing, altered, or defaced.

4 WARRANTY CLAIM

The Limited Warranty is void either by elapsed time from date of purchase or from the conditions listed earlier in this document. For a Warranty Claim, it is the obligation of the original purchaser to:

- 1) Complete the Warranty Claim Form; you can download the PDF version from our [Warranty](#) page.
- 2) Forward the Product, including Claim Form and Proof of Purchase, to:

Antigravity Batteries, Attn: Warranty Department
15622 Broadway Center St. Gardena, CA 90248

COSTS OF TRANSPORTING PRODUCTS TO ANTIGRAVITY FOR WARRANTY SERVICE IS THE RESPONSIBILITY OF THE ORIGINAL PURCHASER.



REGISTERING YOUR MICRO-START

You **MUST** register your ANTIGRAVITY Micro-Start product in order to validate the Limited Warranty. You can register the product Online; please visit our [Registration](#) page and submit the requested information.

Contact Us

When you need help or have questions, our knowledgeable support team is here for you! Please feel free to call us during our Office Hours 7:30am-4pm Pacific Time, Monday-Friday; or you can write to us any time!

310 527 2330

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VISIT OUR WEBSITES FOR MORE COOL PRODUCTS, ACCESSORIES AND INFO

ANTIGRAVITYBATTERIES.COM

THEMICROSTART.COM

