

ANTIGRAVITY BATTERIES

PRODUCT SAFETY INFORMATION GUIDE

IMPORTANT! READ FIRST

DANGER

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 a SERIOUS INJURY, DEATH, or PROPERTY DAMAGE.

Electrical Shock. Product is an electrical device that can shock and cause serious injury. Do not cut power cords or short-circuit. Do not submerge or get wet.

Explosion. Unmonitored, incompatible, or damaged batteries can explode if used with product. Do not leave product unattended while in use. Do not attempt to jump-start a damaged or frozen battery. Use product only with batteries of recommended voltage. Operate product in well ventilated areas.

Fire. Product is an electrical device that emits heat and is capable of causing burns. Do not cover product. Do not smoke or use any source of electrical spark or fire when operating product. Keep product away from combustible materials.

DANGER

Eye Injury. Wear eye protection when operating product. Batteries can explode and cause flying debris. Battery acid can cause eye and skin irritation. In the case of contamination of eyes or skin, flush affected area with running clean water and contact poison control immediately.

Explosive Gases. Working in the vicinity of gases is dangerous. Batteries may generate explosive gases during normal battery operation. To reduce risk of battery explosion, follow all safety information instructions and those published by the battery manufacturer and manufacturer of any equipment intended to be used in the vicinity of battery. Review cautionary markings on these products and on engine.

Important Safety Warnings

- PERSONAL PRECAUTION.** Only use product as intended.
- Someone should be within range of your voice or close enough to come to your aid in case of emergency.
 - Have a supply of clean water and soap nearby in the case of battery acid contamination.
 - Wear complete eye protection and protective clothing while working near a battery.
 - Always wash hands after handling batteries and related materials.
 - Do not handle or wear any metal objects when working with batteries, including tools, watches or jewelry. If metal is dropped onto battery, it may spark or create a short circuit resulting in electrical shock, fire, or explosion which may result in injury, death or property damage.
 - Never Smoke or allow Spurt of Flame in vicinity of Battery or Engine.
 - Never Jump-Start or Charge a frozen battery.
 - Jump-Start in well ventilated area only a spark can cause explosion.

MICRO-START

XP-1

USERS MANUAL

USE PRODUCT ONLY AS INTENDED!

DANGER- WARNING

PRIOR TO USE, READ AND UNDERSTAND PRODUCT SAFETY INFORMATION GUIDE AND THIS USERS MANUAL.

Failure to follow the instructions may result in ELECTRICAL SHOCK, EXPLOSION, or FIRE, which may result in SERIOUS INJURY, DEATH, DAMAGE TO DEVICE or PROPERTY. Do not discard this information.

By **ANTIGRAVITY BATTERIES**

WELCOME

Thank you for purchasing the Antigravity Batteries MICRO-START XP-1. The XP-1 is an ultra-compact Jump-Starter and Personal Power Supply. Just charge it and take a Personal Power Supply with you wherever you go, no electricity needed. It can jump-start your vehicles, charge your USB Devices (Phones, Tablets, Go-Pro Cameras, and more) as well as power or charge 12v and 19v devices like Mobile DVD players and 19v Laptops. It comes in a complete kit with Carry Case. Please read and understand the User Guide and Product Safety Information before operating the product.

For more information feel free to Contact us .

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GETTING STARTED

The MICRO-START XP-1 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 XP-1 is for jump-starting 12-volt starter batteries only and charging electronics devices. Please read manual completely before use.

BEFORE CONNECTING TO ANY BATTERY

Before connecting to the vehicle's battery, verify that you have an 12-volt vehicle system. The XP-1 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 symbols and letters (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



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.

- Do not leave the product in, or expose product to extremely high temperatures such as on dashboards or other extremely hot areas above 110 °F - 43 °C.
- Do not use product for any use other than intended.
- Do not use Jump-Start Port to power devices, it is ONLY for Jump-Starting.
- Do not Jump-Start with less than 3 lights lit on Capacity Indicator.
- Do not Jump-Start more than 5 seconds per attempt (overheating may occur).
- Do not Jump-Start more than 3 attempts in a row without allowing to cool.
- Do not allow the XP-1 to become wet, do not immerse in water.
- Do not operate the appliance in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
- Do not modify or disassemble, there are no serviceable parts inside.
- Do not use as a replacement battery for vehicles.
- Do not leave the XP-1 connected to vehicle. Remove within 40 seconds of starting vehicle.
- Do not clamp the Red and Black Clamps together.
- Do not allow Children to play with this product un-supervised. Not recommended for use by infirm persons.
- Do not leave battery products unattended while charging.
- Do not charge frozen batteries, charge only between 0 °C and 40 °C
- Do not store in locations where the temperature may exceed 43 °C.

OPERATING PRECAUTIONS

- Make sure the BLUE PLUG for the MINI-CLAMPS is plugged and seated fully into the XP-1. This connection must be good or it may over-heat the unit.
- 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.
- Make sure clamps have a good "bite" on Battery Terminals for the most power.
- Make sure the XP-1 has a minimum 3 lights on the Capacity Indicator lit before Jump-Starting.
- Make sure to remove the product from the vehicle battery within 40 seconds of Jump-Starting.
- Remove Clamps from XP-1 when not in use.

+ PRODUCT OVERVIEW

+ INCLUDED KIT ITEMS



+ PRODUCT SPECS

MODEL: MICRO-START XP-1

CAPACITY: 12,000mAh / 44.75WH OUTPUT VOLTAGE: 12V 6 19V

DIMENSIONS: 6" x 3" x 1.25" 2 USB OUTPUTS: 5V - 2A, 5V - 1A

CHARGE MODE: CC/CV 14V - 1A START CURRENT: 250A

CYCLE LIFE: 1,000 PEAK CURRENT: 450A

OPERATING TEMP : -20°C to 45°C CHARGING TEMP : 0°C to 40°C

+ PRODUCT USE

CHECKING THE AVAILABLE CAPACITY

- To check the state of charge/capacity on the XP-1 press the Power Switch. The XP-1 has a lighted capacity indicator which will show the state of charge.
- Each light lit is equal to 20% capacity.

1 light=20% 2 lights=40% 3 lights=60% 4 lights= 80% 5 lights= 100%

*** The XP-1 can charge electronic devices until no more lights are lit, but should only be used to jump-start with a minimum of 3 lights lit.**

LED FLASHLIGHT OPERATION

- Press and hold the Power Switch for 3 seconds to turn-on the LED Flashlight.
- The Flashlight has 3 light patterns (Normal, SOS and Strobe).
- You can cycle to the next LED pattern by pressing the Power Switch again.
- After the last Flashlight pattern the unit will turn off the Flashlight.

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

CHARGING THE XP-1

NEVER USE ANY OTHER CHARGERS THAN THOSE PROVIDED. FIRE, EXPLOSION, PERSONAL AND PROPERTY DAMAGE MAY OCCUR.

The XP-1 comes with 2 chargers for charging at Home or in your Vehicle: a Wall Plug AC Charger, and a DC Cigarette Lighter Charger.

When charging, the indicator lights will flash one by one. The number of solid lights lit indicates the XP-1 charge level. All lights solidly lit indicates a fully charged XP-1. After a full charge the lights will turn off.

- To charge, plug either charger into the XP-1 charging port to begin charging.
- When fully charged remove charger. Do not leave charging over 24 Hours.

***NEVER LEAVE ANY DEVICES UNATTENDED DURING CHARGING.**

CHARGING USB DEVICES

The XP-1 can charge any USB 5v devices at 2.1 or 1.1 Amps, such as Smart Phones, Tablets, GPS Devices, Go-Pro Cameras and more.

- Plug the provided 4-into-1 USB Cable or any standard USB Cable into either USB Output Port on the XP-1, plug the other end of the cable into the device you are charging.
- Press the Power Switch on the XP-1 to begin charging your device.
- Disconnect your Device when charged.

*Note: The number of times devices can be charged will vary depending on the size of your devices' battery.

CHARGING 12V AND 19V DEVICES

The XP-1 can charge or Power other Devices such as Laptop Computers and 12v Devices with its 12v and 19v Ports. Both ports have a 5.1 mm Female output port that accepts the provided 5.1 mm DC Male connector Cable (Male DC connector on both ends). They are color coded for easy connection.

- For 19v Laptop charging you would plug the provided DC Connector Cable into the 19v Output port on the XP-1 and find the appropriate Laptop Tip for your brand (8 Tips are provided with the kit*) and connect to your Laptop. To begin charging press the Power Switch on the XP-1.
- For 12v charging you would plug the provided DC Connector Cable into the 12v Output port on the XP-1 and you would use this DC Cable directly to your 12v device (or use your device's cable*).

* NOTE: Due to the variety of electronic devices and the number of different connector types for devices it is impossible for our kit to contain the proper connector for all Laptop Computers and Electronic devices. If your device uses a tip or cable that we do not include with the XP-1 you may find a compatible cable that will work with the XP-1 at online electronics suppliers. Please verify with the Manufacturer of your device that the XP-1 is compatible for charging it!

The XP-1 requires a 5.1 mm x 2.1 mm MALE end to connect into its 12v and 19v Output Ports.

JUMP STARTING A VEHICLE

The XP-1 is equipped with SMART CLAMPS that have built-in protections to prevent accidental reverse-polarity connections and more. But caution should always be used when Jump Starting. **READ ALL SAFETY INSTRUCTIONS.**

- 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.
- Connect the Smart-Clamps to the Battery of the Vehicle. Red Clamp to Positive (+) Terminal of Battery. Black Clamp to Negative (-) Terminal of Battery. Remove any corrosion and make sure of a good connection to Battery Terminals.
- Connect the XP-1 to the Smart-Clamps making sure the blue connector is fully seated into the XP-1 Jump-Start Port.
- If the XP-1 and Clamps are connected correctly the GREEN LED on the Smart-Clamps will light Solid. You can now start the vehicle. **Go to Step 6 a)** If the Green LED light is blinking this indicates your Vehicle Battery has very low voltage, in this case you will need to press the "BOOST" Button on the Smart-Clamps to confirm you wish to Start the Vehicle. **NEVER PRESS THE BOOST BUTTON UNLESS A GREEN LIGHT IS PRESENT AND ONLY IF UNIT IS CONNECTED TO THE VEHICLE BATTERY WITH POLARITY CONNECTED PROPERLY!**

EXTREME CAUTION MUST BE USED WHEN PRESSING THE BOOST BUTTON. THE BOOST BUTTON MAKES THE CLAMPS "LIVE" AND BY-PASSES THE BUILT-IN SAFETY FEATURES. DO NOT ALLOW THE CLAMPS TO TOUCH, OR ATTEMPT TO CONNECT TO ANYTHING AFTER ACTIVATING THE BOOST BUTTON. EXTREMELY HIGH AMPERAGE, AND POTENTIAL FOR HEAT, SPARKS AND PROPERTY DAMAGE MAY OCCUR. ONLY USE THE BOOST BUTTON WHEN CLAMPS HAVE BEEN CORRECTLY CONNECTED TO THE PROPER POLARITY. IF YOU ARE UNSURE WITH USE SEEK PROFESSIONAL HELP.

- If the Smart-Clamps are NOT connected correctly the Red LED will Light and a beep will sound. Remove the Clamps and correct the connection.
 - If there is NO VOLTAGE detected by the Smart-Clamps then no LEDs will light and the Smart-Clamps will not allow for a Jump Start. In this circumstance, if necessary to Jump-Start, then you may use the BOOST Button to bypass the safety features and allow for current to the Clamps for a Jump-Start. This must ONLY be done if clamps and battery polarity are correctly connected. Failure to do so may cause personal injury, damage to property or XP-1 unit.
- Start your vehicle, leave it running. Once the vehicle starts disconnect the Clamps and XP-1 within 40 seconds of starting. DO NOT LEAVE ATTACHED.

-DO NOT USE THE JUMP START PORT FOR ANYTHING BUT JUMP STARTING! DO NOT LEAVE THE MICRO-START UNIT CONNECTED TO THE VEHICLE! DO NOT PRESS THE "BOOST" BUTTON ON CLAMPS IF CLAMPS ARE CONNECTED TOGETHER. THE BOOST BUTTON IS A BYPASS AND MAKES THE CLAMPS LIVE WITH ENERGY! USE CAUTION.

FREQUENTLY ASKED QUESTIONS

Q. How do I turn off the XP-1?
 The XP-1 will automatically power-off when it is not powering anything. Usually in about 10 seconds. Disconnect Clamps when not in use.

Q. How many times can the XP-1 charge a Cell Phone?
 The XP-1 can charge the average Phone about 5-7 times depending on the size of the cell phone's battery. It has 12,000mAh of capacity.

Q. How many times can it charge a Tablet?
 The Microstart XP-1 can generally charge a Tablet from 3-4 times. This depends on the size of the Tablet's battery.

Q. How long does it take to fully charge?
 The XP-1 can fully charge from completely dead in 4-5 hours. If there is some charge in the XP-1 it can charge in much less time.

Q. How long will it take to charge my cell phone?
 The XP-1 can charge a phone in about 40-60 minutes. It depends on the phone and battery size, but the XP-1 does charge USB Devices fast because it has a 2-amp charger rate at one of the USB ports.

Q. How many times can it start a car?
 This depends on the size of the motor and state of charge, but modern V8s about 25 times on one charge. IT IS NOT INTENDED FOR Diesel Motors!

Q. How long can the XP-1 hold a charge?
 On average the XP-1 can hold a charge for up to 6 to 8-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 3-4 months.

Q. Can I use the Jumper Clamps or Starter Port to 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.

Q. How big of a motor can the XP-1 start?
 This depends on the vehicle and how good of a connection you have to the vehicle. Modern V8 Motor up to 6 Liters can be done fairly easily. Diesels are a much harder start than Gas Motors. The XP-1 is not intended to start Diesel Motors. Use the XP-10 for that use.

LIMITED WARRANTY NON-TRANSFERABLE

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, either repair or replace, for the fees set forth below. 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 EXPRESSOR 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) OR TO REPAIR, 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.

Limited Warranty.
 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. It is the obligation of the original purchaser to:
 1) Request and obtain a return merchandise authorization (RMA) number from ANTIGRAVITY Support at info@antigravitybatteries.com.
 2) Forward the Product, including RMA number, payment for any applicable fees, and Proof of Purchase to: ANTIGRAVITY Batteries, Attn: Warranty Department, 15622 Broadway Center St., GARDENA, CA 90248.

THE COSTS OF TRANSPORTING PRODUCTS TO ANTIGRAVITY FOR WARRANTY SERVICE IS THE RESPONSIBILITY OF THE ORIGINAL PURCHASER. THIS LIMITED WARRANTY IS VOID UNDER THE FOLLOWING CONDITIONS:
 1) 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.
 2) The Product has NOT been installed, operated, or maintained in accordance with approved procedures.
 3) The Product is disassembled, altered, or repaired by anyone, except ANTIGRAVITY.
 4) 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.
 5) The Product is subject to improper storage or accident.
 6) The original purchaser fails to register the product.
 7) The product is charged by any other charger than supplied or approved by ANTIGRAVITY.
 8) The Product has been used outside its intended use.

LIMITED WARRANTY CONTINUED

THIS LIMITED 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.

LIMITED WARRANTY FEES
 These fees apply only to Product during the Warranty Period. The Limited Warranty is void either by elapsed time from date of purchase or from the conditions listed earlier in this document. Return Product with the appropriate documentation along with a check for the applicable fees, as set forth below. Make checks payable to THE ANTIGRAVITY Company. With Receipt: 0-1 Years. No Charge. No Receipt: 0-1 Years: 45% of MSRP (Exact amount will be verified when RMA is issued)

REGISTERING YOUR ANTIGRAVITY PRODUCT
 You MUST register your ANTIGRAVITY product in order to validate the Limited Warranty. You can register the product Online. To register your product Online, please visit: themicrostart.com/warranty/registration. Complete the requested information and click "send".

NOTES:
 1) The XP-1 is not suitable to jump-start any other voltage of battery.
 2) Do not use the XP-1 to jump-start a damaged or frozen battery.
 3) Do not use the XP-1 to jump-start a battery that is not fully charged.
 4) Do not use the XP-1 to jump-start a battery that is not of the recommended voltage.
 5) Do not use the XP-1 to jump-start a battery that is not of the recommended capacity.
 6) Do not use the XP-1 to jump-start a battery that is not of the recommended type.
 7) Do not use the XP-1 to jump-start a battery that is not of the recommended age.
 8) Do not use the XP-1 to jump-start a battery that is not of the recommended brand.

+ ANTIGRAVITY CONTACT



ANTIGRAVITY BATTERIES

VISIT OUR WEBSITES FOR MORE COOL PRODUCTS, ACCESSORIES AND INFO

antigravitybatteries.com
 shop.antigravitybatteries.com
 themicrostart.com

CONTACT INFORMATION

Email: info@antigravitybatteries.com
 Phone: 310 527 2330

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