

WJS-3500  
User Guide

# MIGHTY

# JUMP STARTER

Portable Jump Start & Power Supply



  
**WHISTLER**

# PRODUCT LAYOUT

## Welcome

Thank you for choosing a Whistler product. We are dedicated to providing products that represent both quality and value. Please read the User Guide carefully before using this product. If you have additional questions, please visit the FAQ page on our website at

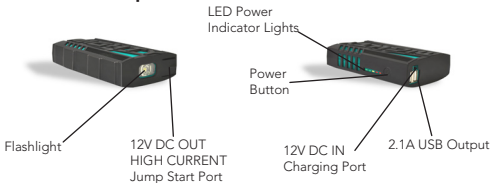
**[www.whistlergroup.com](http://www.whistlergroup.com)**

or call Toll Free (800) 531-0004 / Tel (479) 273-6012, 8am to 5pm CT, Monday through Friday to speak to a Customer Service Representative.

## Packing List

- Jump Starter
- Premium Protection Cables
- 12V DC Car Adapter
- Home AC Adapter
- Zipper Storage Case
- User Guide

## Feature Description



# WARNINGS AND SAFETY GUIDELINES

Please read these safety instructions, operating instructions, and warnings before charging or using the jump starter.

## **Explosion Hazard - USE ONLY IN WELL VENTILATED AREAS.**

The jump start cable clamps **MUST** be connected in correct polarity ~ **RED** clamp to the battery Positive (+) and **BLACK** clamp to the battery Negative (-) terminals, making sure they have a good connection. A reverse polarity connection (positive to negative) can cause damage to the jump starter and/or create a sparking/explosion hazard.

## **Fire Hazard** - Do not crush, puncture or damage the jump starter.

Never allow the jump start clamps to touch each other or another common metal conductor. This could cause damage to the unit and/or create a fire hazard. Always disconnect the jump start cables from the jump starter after each use and store separately.

## **Burn Hazard - Keep away from children.**

Do not insert foreign objects into the jumper cables port/jack, the USB output port, or the DC input jack. Do not expose this product to water, rain, snow, (cont.)

# WARNINGS AND SAFETY GUIDELINES

condensation, or spray. Do not open the jump starter to replace the internal battery. There are no user replaceable parts inside the jump starter.

## Additional Warnings

1. Keep the unit clear of fire and water.
2. **USE ONLY THE WHISTLER PREMIUM PROTECTION CABLES.** Use of other cables may result in damage to the jump starter, fire, personal injury and damage to vehicle or property.
3. If at any time you witness the jump starter starting to swell, smoke, or become hot to the touch, **DISCONNECT THE JUMP STARTER AND DISCONTINUE USE IMMEDIATELY.** Move the jump starter to a safe place away from combustible materials and safely observe it for approximately 15 minutes as a battery can still ignite after 10 minutes.

# CAUTION-PLEASE READ

## Cautions

1. This jump starter is intended for use on a discharged, but otherwise capable battery. It will not work on a battery that has developed a shorted cell or become damaged. If your vehicle cannot be jump started, have the battery tested and/or replaced.
2. Before attempting to start 12V vehicle, please make sure at least 3 LED lights are illuminated on the jump starter when pressing the power button.
3. Always use the jump starter in a well ventilate area and keep the jump starter away from children, fire, water, explosive gasses, and combustible materials.
4. **DO NOT CRANK IGNITION FOR MORE THAN 3 SECONDS.** Cranking for more than 3 seconds may cause damage to the unit. If vehicle does not start, wait 1 minute before trying again. The jump-start feature is designed for short term operation only.
5. If the jump starter becomes warm to the touch during use, disconnect the jump starter from the cables and allow to cool before reattempting to start the vehicle.

## CAUTION-PLEASE READ

6. When charging the jump starter, please place on a hard surface and keep away from combustible materials. Please don't leave unattended while charging.

If you have questions concerning the operation of your Whistler product, or require service during or after the warranty period, please call

**Customer Service at  
Toll Free (800)531-0004  
Tel (479)273-6012**

# BATTERY PRECAUTIONS

- 1. Lithium Polymer batteries are volatile.** Failure to read and follow the use and operating instructions may result in fire, personal injury and damage to property if charged or used improperly. Li-Polymer battery may explode and cause fire if misused or defective. Please follow our jump starting instructions exactly which are listed in the User Guide, label on the jump starter and the information card included.
- 2.** Never allow a metal tool to concurrently touch the positive and negative cable ends or battery terminals.
- 3.** Be sure someone is close enough to come to your aid when working with batteries.
- 4.** If you need to remove a vehicle battery, always remove the negative terminal from the battery first. Make sure all accessories are off so you don't cause an arc.
- 5.** When working with lead-acid vehicle batteries, have ample water, soap and baking soda on hand in case of skin contact with battery acid.
- 6.** The jump starter is supplied with an internal rechargeable Li-Polymer battery.

# BATTERY PRECAUTIONS

**This battery is self-contained and not consumer replaceable.** Battery must be disposed of properly when it no longer holds a charge. Proper charging practices will increase the life of the batteries.

For information on battery recycling, go to **[www.call2recycle.org/locator](http://www.call2recycle.org/locator)**, or contact them toll free at **800-822-8837** (automated system) or **877-273-2925** for **[www.call2recycle.org](http://www.call2recycle.org)** customer service.



# CHARGING

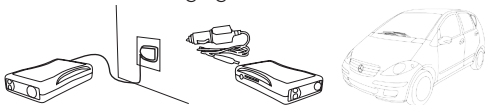
## Charging the Jump Starter

Plug the home adaptor into a 100-240V AC outlet of the proper plug type.

Connect the other end of the home adaptor to the 12V DC IN Charging Port.

-or-

1. Plug the car adaptor into the socket of the vehicle auxiliary power.
2. Connect the other end of the car adaptor to the 12V DC IN Charging Port.



## Indicator Lights

Press the power button to check the level of the jump starter battery. Number of lights ON indicate percentage of charge available.

(1=20%, 2=40%, 3=60%, 4=80%, 5=100%)



# CHARGING

## NOTES:

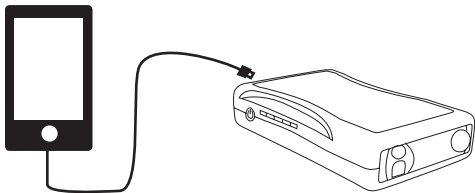
1. The jump starter should be charged before initial use. Place on a hard surface and keep away from combustible materials. Please don't leave unattended while charging.
2. A minimum of 3 indicator lights must be illuminated before attempting to jump start a vehicle.
3. All 5 battery indicators will flash simultaneously and provide an audible beep if the input charging voltage is too low or too high. To properly charge this jump starter with the Car Charger, the DC input voltage should be 13.6 to 16 volts (Vehicle charging system when vehicle engine is running).
4. Periodic charging every 3-4 months is recommended when being stored for long periods of time.
5. When charging, the LED indicator lights will sequentially flash. The percentage of charge completed is indicated by the number of solid lights as charging progresses. The jump starter is fully charged when all lights are solid.

# CHARGING

6. If during charging the jump starter begins beeping and stops charging **IMMEDIATELY DISCONNECT THE JUMP STARTER FROM POWER SUPPLY AND DISCONTINUE USE.** Refer to FAQs.

## For Charging / Powering Devices Using USB Port

1. Plug the USB cable of the device into the USB output port of this jump starter.
2. Press the jump starter power button to initiate charging/ power to the attached device.



# JUMP STARTING

## **⚠ WARNING**

### **⚠ Explosion Hazard - USE ONLY IN WELL**

**VENTILATED AREAS.** The jump start cable clamps MUST be connected in correct polarity ~ RED clamp to the battery Positive (+) and BLACK clamp to the battery Negative (-) terminals, making sure they have a good connection. A reverse polarity connection (positive to negative) can cause damage to this jump starter and/or create a sparking/explosion hazard.

### **⚠ USE ONLY THE WHISTLER PREMIUM**

**PROTECTION CABLES.** Use of other cables may result in damage to this jump starter, fire, personal injury and damage to vehicle or property.

## **For Jump Starting 12V Vehicle**

- 1.** Before attempting to start a 12V vehicle, please make sure at least 3 LED lights are illuminated on this jump starter when pressing the power button.
- 2.** Connect the Red clamp to the battery Positive (+) and Black clamp to the battery Negative (-) terminals, making sure they have a good connection.

**WARNING: REVERSING THE CONNECTIONS MAY RESULT IN DAMAGE TO THE JUMP STARTER, FIRE OR PERSONAL INJURY.**

# JUMP STARTING

3. Insert the blue connector firmly into the jump start port. (If below 32° F/0° C, please allow a few minutes before starting the vehicle)
4. Start the vehicle.

**CAUTION: DO NOT CRANK IGNITION FOR MORE THAN 3 SECONDS.** If vehicle does not start, wait 1 minute before trying again.

5. Once vehicle is started, unplug the blue connector from the jump starter, then remove the battery clamps.



# JUMP STARTING

**⚠ CAUTION:** The jump start feature is designed for short term operation only. Turn the ignition key for no more than 3 seconds at a time. Operating the jump start feature for more than 3 seconds may cause damage to the unit. Allow the jump starter to cool down for at least 1 minute after each jump start attempt.

**⚠ CAUTION: NEVER press the cable RESET button before having the cables properly connected to the vehicle battery.** Failure to follow proper connection sequence outlined in JUMP STARTING section of this manual **MAY RESULT IN DAMAGE TO THE JUMP STARTER, TO THE VEHICLE, OR PERSONAL INJURY.**

Always disconnect the jump start cables from the jump starter after each use and store separately.

# JUMP STARTING

The Premium Protection Cables provided have a built-in feature that prevents cranking for more than 3 seconds and will automatically enter a 60 second rest period between cranking attempts (indicated by cable LED blinking GREEN).

After 5 consecutive starting attempts, the Premium Protection Cables must be reset by pressing the RESET button before another starting attempt can be made. If this jump starter becomes warm to the touch, disconnect this jump starter from the cables and allow to cool before reattempting to start the vehicle. Please refer to Premium Protection Cables Operation for additional information.



## Jump Starter Premium Protection Cable Operation

LED Status	Condition Description	Action
GREEN	Jump starter voltage above 11V, vehicle battery above low limit threshold, and cable polarity correct. <b>NOTE: If no starting attempt is made within 2 min. of connection to vehicle battery:</b> a) light will remain GREEN. b) light will change to fast blinking AMBER (see below). c) light will change to solid AMBER (see below).	Vehicle may now attempt to be started.
GREEN	Starting current detected for maximum 3 seconds, then enters 60 second rest period, with no current output allowed.	After 60 seconds, LED will indicate status. <b>NOTE: If no starting attempt was made, cables detected a heavy load from vehicle system indicating a defective/damaged vehicle battery or vehicle system issue which must be resolved before using this jump starter. Have vehicle battery tested and/or replaced.</b>
GREEN	After 5 consecutive starting attempts of 3 sec. cranking/60 sec. rest cycle, no current output allowed.	Press RESET button to initiate another 5 starting attempt cycles.



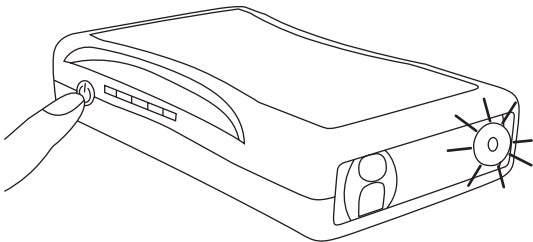
## Jump Starter Premium Protection Cable Operation (continued)

AMBER	solid	Jump starter voltage is lower than 11V (3 bars or less on this jump starter). No current output allowed and RESET button disabled.	Fully charge this jump starter before attempting to start vehicle.
AMBER	fast blinking	Jump starter voltage is above 11V (3 bars or more on this jump starter), vehicle battery not detected. No current output allowed. <b>NOTE:</b> Clamps are not connected to vehicle battery or vehicle battery is below low limit threshold.	Check for secure battery cable/clamp connections to vehicle battery. If AMBER continues to fast blink, press RESET button for vehicle battery "system check". <b>NOTE:</b> A vehicle battery below low limit threshold may need to be recharged or replaced.
AMBER / GREEN	alternating blinking	Indicates 3 second vehicle battery "system check" in progress after pressing RESET button when properly connected to a vehicle battery.	After "system check", LED will return with system status confirmation. Refer to listed LED Status for further actions.
RED	fast blinking	Jump starter voltage is above 11V, cables connected in reverse polarity or vehicle battery short detected. No current output allowed and RESET button disabled.	Disconnect cables from this jump starter and remove clamps from vehicle battery. Connect clamps to vehicle battery in correct polarity (positive-to-positive/negative-to-negative) and then reconnect cables to the jump starter to reset. <b>NOTE:</b> Source of problem must be resolved before reattempting to start vehicle using this jump starter.

# FLASHLIGHT FUNCTION

## Flashlight LED Illumination

Press and hold the power button for 3 seconds to initiate the flashlight. Once the flashlight is on, a press and release of the power button will change to an alternate mode of operation in the order listed below. To shut the flashlight off, you must cycle thru the selections.



**FLASHLIGHT → BEACON → STROBE → SOS → OFF**

## FREQUENTLY ASKED QUESTIONS

- Q.** What will this jump starter jump start?
- A.** This jump starter is for use on single battery 12V systems like GARDEN TRACTORS, ATV's, BOATS, MOTORCYCLES and PASSENGER VEHICLES.
- Q.** How do I turn off the jump starter?
- A.** This jump starter will power off automatically when no load or charging is detected
- Q.** How many times can this jump starter charge my mobile phone?
- A.** Approximately 4 to 7 times depending on the phone.
- Q.** How long will this jump starter take to fully charge my mobile phone?
- A.** 1-2 hours depending on the phone.
- Q.** How many times can the fully charged jump starter start my vehicle?
- A.** 10 times or more depending on the vehicle
- Q.** How long will this jump starter hold a charge?
- A.** Up to 1 year (refer to Charging Section in user guide).

## FREQUENTLY ASKED QUESTIONS

**Q.** Why does the jump starter stop charging and begin beeping?

**A.** A problem was detected and has discontinued charging as a safety precaution. Press and hold the power button for 10-30 seconds to force the continuation of charging and possibly correct the detected charging issue. After pressing and holding the power button, disconnect the charger from the wall and this jump starter to reset. Reconnect charger to allow the unit to begin charging normally – **HOWEVER** - if after this process the unit again discontinues charging and begins to beep, **IMMEDIATELY DISCONNECT THIS JUMP STARTER FROM POWER SUPPLY AND DISCONTINUE USE.**

**NOTE:** Pressing and holding the power button will cause the flashlight to turn ON which is normal. After disconnecting charger, the flashlight may be turned OFF before reconnecting.

**Q.** How do I dispose of this jump starter when it reaches end of service life?

**A.** This jump starter contains a rechargeable Lithium Polymer (LiPo) battery pack. This battery pack is self-contained and is not replaceable. Refer to the Battery Precautions section of this user guide for battery disposal information.

# SPECIFICATIONS

**SIZE:** 130mm x 78mm x 31mm (5.1" x 3.0" x 1.2")

**WEIGHT:** 354.4g (12.5oz.)

**BATTERY CAPACITY:** 33300 mWh

**OUTPUT:** 5V=2.1A; 12V=HIGH CURRENT

**INPUT:** 14V =1A

**FULL CHARGING TIME:** 3-4 hours

**STARTING CURRENT:** 200A (< or = 3 seconds)

**PEAK CURRENT:** 400A (inrush current)






**OPERATING TEMP (Charge):** 0°~ 40° C (32°~ 104° F)

**OPERATING TEMP (Discharge):** -20°~ 60° C (-4°~ 140° F)

**STORAGE TEMP:** -10° ~ 30° C (14°~ 86° F)

**LIFETIME:** >1000 Cycles depending on usage

# LEDS FUNCTIONS

	5 Bars = Fully charged ( 2 Red/1 Yellow/2 Green) * Note when fully charged all lights do not turn green
	4 Bars = The Unit battery capacity remains good for most intended uses.
	3 Bars = The Unit battery capacity remaining may not provide the necessary power for jumpstarting a vehicle (refer to User Guide).
	1 to 2 Bars = The Unit does not contain sufficient power to provide a jump start and should be fully recharged before attempting to do so. The remaining battery capacity is very low and has limited capacity for charging a portable device and the Unit should be fully recharged.
	



# WARRANTY INFORMATION

## Consumer Warranty

This Whistler product is warranted to the original purchaser for a period of one (1) year from the date of original purchase against all defects in materials and workmanship, when purchased from an authorized Whistler retailer. This limited warranty is void if the unit is abused, misused, modified, installed improperly, or if the housing and/or serial numbers have been removed. There are no express warranties covering this product other than those set forth in this warranty. All express or implied warranties for this product are limited to one (1) year. Whistler is not liable for damages arising from the use, misuse, or operation of this product including but not limited to loss of time, inconvenience, loss of use of your product or property damage caused by your product or its failure to work, or any other incidental or consequential damages including personal injury.

**DO NOT RETURN ITEM TO STORE WHERE  
PURCHASED.**

For warranty information, contact  
Whistler Customer Service  
at Toll Free (800)531-0004 / Tel (479)273-6012

Representatives are available to answer your questions  
Monday - Friday from 8:00 a.m. to 5:00 p.m. CT

# WARRANTY INFORMATION

## Service Under Warranty

During the warranty period, defective units will be repaired or replaced (with the same or a comparable model), at Whistler's option, without charge to the purchaser when returned prepaid, with dated proof of purchase to the address below. Units returned without dated proof of purchase will be considered out of warranty and therefore are not covered by the described Limited Warranty.

(Refer to Service Out-of- Warranty section.)

Due to the specialized equipment necessary for testing Whistler products, there are no authorized service centers other than Whistler. When returning a unit for service under warranty, please follow these instructions:

1. Ship the unit in the original carton or in a suitable sturdy equivalent, fully insured, with return receipt requested to:

**Whistler Repair Dept.**

1412 South 1st St.

Rogers, AR. 72756

**Please allow 3 weeks turnaround time.**



# WARRANTY INFORMATION

**IMPORTANT:** Whistler will not assume responsibility for loss or damage incurred in shipping. Therefore, please ship your unit insured with return receipt requested. **CODs will not be accepted!**

2. Include with your unit the following information, clearly printed:
  - Your name and physical street address for shipping (no PO Boxes), a daytime telephone number, and an email address (if applicable).
  - A detailed description of the problem (e.g., "device will not power ON").
  - A copy of your dated proof of purchase or bill of sale.
3. Be certain your unit is returned with its serial number. Units without serial numbers are not covered under warranty.

**IMPORTANT:** To validate that your unit is within the warranty period, make sure you keep a copy of your dated proof of purchase. For warranty verification purposes, a copy of your dated store receipt must accompany any Whistler product sent in for warranty work.

# WARRANTY INFORMATION

## Service Out-Of-Warranty

Units will be repaired at “out-of-warranty” service rates when:

- The unit’s original warranty has expired.
- A dated proof of purchase is not supplied.
- The unit has been returned without its serial number.
- The unit has been misused, abused, modified, installed improperly, or had its housing removed.

The minimum out of warranty service fee for your Whistler jump starter is \$50.00 (U.S.). If you require out of warranty service, please return your unit as outlined in the section “Service Under Warranty” along with a cashier’s check or money order in the amount of \$50.00. Payment may also be made by MasterCard, VISA or American Express.

**Personal checks are not accepted.**

In the event repairs cannot be covered by the minimum service fee, you will be contacted by a Whistler technical service specialist who will outline options available to you.

# WARRANTY INFORMATION

**IMPORTANT:** When returning your unit for service, be certain to include a daytime telephone number and an email address (if applicable).

## **Customer Service**

If you have questions concerning the operation of your Whistler product, or require service during or after the warranty period, please call

Customer Service at  
Toll Free (800)531-0004  
Tel (479)273-6012

Representatives are available to answer your questions Monday - Friday from 8:00 a.m. to 5:00 p.m. (CT) or visit the FAQs at [www.whistlergroup.com](http://www.whistlergroup.com)

## **CORPORATE HEADQUARTERS**

1716 SW Commerce Dr. Ste. 8

Bentonville, AR 72712

Toll Free (800) 531-0004

TEL (479) 273-6012

[www.whistlergroup.com](http://www.whistlergroup.com)

## **CUSTOMER RETURN CENTER**

1412 South 1st St.

Rogers, AR 72756

Email: [info@whistlergroup.com](mailto:info@whistlergroup.com)

P/N 404009A

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