

# **CHS12LB50a**

## **Battery Charging Station**

- **Improved circuitry offers reduced charging time**
- **Charges up to 12 LB-50 Lithium Ion batteries**
- **Individual charging circuits and status indicators**



**For use with Lectrosonics LB-50 battery**



Fill in for your records:

Serial Number:

Purchase Date:

**FCC NOTICE:**

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. The equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Changes or modifications to this equipment not expressly approved by Lectrosonics, Inc. could void the user's authority to operate it.

# Important Safety Instructions



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure -- voltage that may be sufficient to constitute a risk of shock



This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.

When using your equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wider blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) **WARNING -- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.**
- 16) Unit shall be connected to a MAINS socket outlet with a protective earthing connection.
- 17) Do not use this product near water for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- 18) Use the front panel ON/OFF switch to disconnect the device from the AC MAINS. This switch should remain accessible to the user at all times.
- 19) Use only the power cord indicated in this manual.

**SAVE THESE INSTRUCTIONS**

# Warnings and Cautions - Please Observe

This battery charger is intended to be used only with the Lectrosonics LB-50 rechargeable battery. Installing a battery a rechargeable battery other than the Lectrosonics LB-50 model could cause a serious fault.

**CAUTION:** The LB-50 battery may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 140°F, crush, puncture, short external contacts or incinerate. Do not tear or peel off the outer label.

## WARNINGS AND CAUTIONS (PLEASE OBSERVE)

- Please read the operating instructions in this Instruction Manual, especially the warnings and cautions, as well as the operating instructions in the transmitter Instruction Manual in order to operate this charger correctly.
- After reading, be sure to keep this manual in a safe and accessible place for future reference.
- In order to ensure that this product is used safely and correctly, and to prevent danger to yourself and other persons or damage to property, various icons are used in this Instruction Manual and on the product. Please read the explanations and get a good understanding of the meaning of each one before you read the main text of this manual.



### WARNING

This icon indicates a situation which could result in death or severe injury to persons who disregard these instructions and handle the product incorrectly.



### CAUTION

This icon indicates a situation which could result in injury to persons or physical damage to objects, if these instructions are disregarded and the product is handled incorrectly.



Danger of Electric Shock

The contents of this icon constitute a warning (including cautions). The actual content of the caution is drawn inside the icon.



Disassembly Prohibited

The contents of this icon constitute a prohibited action. The actual content of the prohibition is drawn inside, or next to the icon.



Pull the plug out of the electrical outlet.

The contents of this icon constitute a prohibited action. The actual content of the prohibition is drawn inside, or next to the icon.



### WARNING



This battery charger is only for use with the Lectrosonics LB-50 rechargeable battery. Do not attempt to use this charger to charge other rechargeable battery packs as this could result in fluid leakage, overheating or damage to the battery or charger.



If the power supply or charger emits smoke, smells or makes noise, it may cause fire or electric shock. If this happens, turn off the power switch immediately and pull the power plug out of the outlet and contact your dealer or the factory. Do not try to repair either unit yourself, as the repair work can be dangerous.



If the battery charger has been dropped and the housing is damaged in any way, unplug the charger from the power source and contact your dealer. Do not continue to use the charger as this could result in a fire or electric shock.



If the unit has been exposed to water such as rain or spray, turn off the power switch, disconnect the charger from the power source and contact your dealer or the factory. Operation under such conditions may cause fire or electrical shock.





Do not allow water or other liquids to enter the battery trays or other openings in this charger, as this could cause fire or electrical shock. Take extra precautions if you are using the unit in a rainy or snowy location, or other wet area.



Do not modify or disassemble this charger, as there is a risk of fire or electrical shock.



Do not use this charger with a power source other than the specified 100-240VAC (3A minimum capacity). Using a supply outside of the specified range may cause fire or electrical shock.



Do not store the rechargeable battery in a case, drawer, cabinet, etc. where small metal objects such as coins, paper clips or tools could contact the poles on the battery. This could cause the battery to split or leak, resulting in fire or personal injury.



Do not expose the rechargeable battery to heat or attempt to disassemble it. Do not place the battery in water or fire. Any of these can cause fire or personal injury.



## CAUTION



Keep this charger out of the reach of children.



Do not leave this charger in a damp or dusty environment. Doing so could cause fire or electrical shock.

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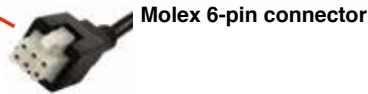
# Front Panel



Charging Status LED

Battery Orientation Marker

# Rear Panel



Molex 6-pin connector

# Specifications

Power requirements: 5VDC, 9A max.

Battery charging time: 3.5 hours

Dimensions: 19.00 in. wide  
1.70 in. deep  
1.97 in. high

Weight:

With batteries: 2.15 lbs. (34.3 ozs.)  
Without batteries: 1.55 lbs. (24.8 ozs.)

The Lectrosonics LB-50 is the only battery that should be used with the CHS12LB50a charger.



# Accessories

The Lectrosonics DCR15/4AU power supply (included) is required for use with the charger.

An AC cord appropriate for region of operation is included.

DCR15/4AU

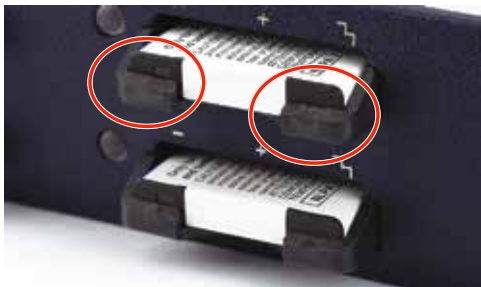


# Operating Instructions

- 1) Connect the power supply and turn on the power.
- 2) Observe the polarity marker and the corner notch in the battery.



- 3) Insert the battery with the notch in the battery on the right side, as indicated by the polarity marker on the front panel. Press gently on the battery to fully insert it and lower the outside edge so the tabs in the battery slot hold the battery in place.



When a battery is being charged the LED next to it will glow RED. When the battery is fully charged, the LED will glow GREEN.



If a fault occurs, the power to the slot will be disabled and the LED will turn off.

STATE	LED COLOR
Charging	● RED
Fully charged	● GREEN
Timer fault*	○ OFF
No battery present	○ OFF

*A timer keeps track of the charging activity and turns the LED off if the battery cannot be charged after a period of several hours.*

- 4) To remove the battery, pull up on the end of the battery so it clears the tabs, then pull outward to remove it.





P.O. Box 15900 - Rio Rancho, NM - 87174 - USA  
 Phone: (800)821-1121 or (505)892-4501 - Fax: (505)892-6243  
 web: [www.lectrosonics.com](http://www.lectrosonics.com) - email: [sales@lectrosonics.com](mailto:sales@lectrosonics.com)

## EU Declaration of Conformity

**LECTROSONICS, INC.**  
**581 Laser Road**  
**Rio Rancho, NM 87124 USA**

Declares under our sole responsibility that the following products:

**Model: CHS12LB50A**

Battery charger

is in conformity with the provisions of the following EC directive(s) (including applicable amendments) and are designed and manufactured in accordance with the harmonized standards:

Document	Description	Date/Version
	<b>Electromagnetic Compatibility</b>	
EN 301 489-1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Common Technical Requirements	V2.2.3 (2019-11)
EN 55032	Electromagnetic compatibility of multimedia equipment.	2015/A11:2020
EN 61000-3-2	Limits for harmonic current emissions	2014
EN 61000-3-3	Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems	2013
EN EN55035	Electromagnetic compatibility of multimedia equipment – Immunity requirements	2017/A11:2020
	<b>Safety and Health</b>	
EN 62368-1	Audio/Video, information and communication technology equipment – Safety Requirements	2014+A11:2017
<b>RL 2011/65/EU</b>	<b>RoHS Directive 2011/65/EU: Restriction of the use of certain hazardous substances (RoHS Recast)</b>	<b>2011</b>





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## UKCA Declaration of Conformity

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**581 Laser Road**  
**Rio Rancho, NM 87124 USA**

Declares under our sole responsibility that the following products:

**Model: CHS12LB50A**

Battery charger

is in conformity with the provisions of the following EC directive(s) (including applicable amendments) and are designed and manufactured in accordance with the harmonized standards:

Document	Description	Date/Version
	<b>UK: Electromagnetic Compatibility Regulations</b>	
EN 301 489-1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Common Technical Requirements	V2.2.3 (2019-11)
BS EN 55032	Electromagnetic compatibility of multimedia equipment.	2015+A1:2020
BS EN 61000-3-2	Limits for harmonic current emissions	2019+A1:2021
BS EN 61000-3-3	Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems	2013+A1:2019
EN/BS EN55035	Electromagnetic compatibility of multimedia equipment – Immunity requirements	2017/A11:2020
	<b>UK: The Electrical Equipment (Safety) Regulations</b>	
EN 62368-1	Audio/Video, information and communication technology equipment – Safety Requirements	2014+A11:2017
	<b>UK: The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations</b>	
RL 2011/65/EU	RoHS Directive 2011/65/EU: Restriction of the use of certain hazardous substances (RoHS Recast)	2011

# Service and Repair

If your system malfunctions, you should attempt to correct or isolate the trouble before concluding that the equipment needs repair. Make sure you have followed the setup procedure and operating instructions. Check the interconnecting cables.

We strongly recommend that you **do not** try to repair the equipment yourself and **do not** have the local repair shop attempt anything other than the simplest repair. If the repair is more complicated than a broken wire or loose connection, send the unit to the factory for repair and service. Don't attempt to adjust any controls inside the units. Once set at the factory, the various controls and trimmers do not drift with age or vibration and never require readjustment. **There are no adjustments inside that will make a malfunctioning unit start working.**

LECTROSONICS' Service Department is equipped and staffed to quickly repair your equipment. In warranty repairs are made at no charge in accordance with the terms of the warranty. Out-of-warranty repairs are charged at a modest flat rate plus parts and shipping. Since it takes almost as much time and effort to determine what is wrong as it does to make the repair, there is a charge for an exact quotation. We will be happy to quote approximate charges by phone for out-of-warranty repairs.

## Returning Units for Repair

For timely service, please follow the steps below:

- A. **DO NOT** return equipment to the factory for repair without first contacting us by e-mail or by phone. We need to know the nature of the problem, the model number and the serial number of the equipment. We also need a phone number where you can be reached 8 A.M. to 4 P.M. (U.S. Mountain Standard Time).
- B. After receiving your request, we will issue you a return authorization number (R.A.). This number will help speed your repair through our receiving and repair departments. The return authorization number must be clearly shown on the outside of the shipping container.
- C. Pack the equipment carefully and ship to us, shipping costs prepaid. If necessary, we can provide you with the proper packing materials. UPS or FEDEX is usually the best way to ship the units. Heavy units should be "double-boxed" for safe transport.
- D. We also strongly recommend that you insure the equipment, since we cannot be responsible for loss of or damage to equipment that you ship. Of course, we insure the equipment when we ship it back to you.

### Lectrosonics USA:

**Mailing address:**  
Lectrosonics, Inc.  
PO Box 15900  
Rio Rancho, NM 87174  
USA

**Web:**  
www.lectrosonics.com

**Shipping address:**  
Lectrosonics, Inc.  
561 Laser Rd., Suite 102  
Rio Rancho, NM 87124  
USA

**E-mail:**  
service.repair@lectrosonics.com  
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**Telephone:**  
+1 (505) 892-4501  
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(877) 753-2876 Toll-free Canada  
(877) 7LECTRO  
Fax (416) 596-6648

**E-mail:**  
Sales: colinb@lectrosonics.com  
Service: joe@lectrosonics.com

## Self-Help Options for Non-Urgent Concerns

Our Facebook groups and weblists are a wealth of knowledge for user questions and information. Refer to:

**Lectrosonics General Facebook Group:** <https://www.facebook.com/groups/69511015699>

**D Squared, Venue 2 and Wireless Designer Group:** <https://www.facebook.com/groups/104052953321109>

**The Wire Lists:** <https://lectrosonics.com/the-wire-lists.html>



## LIMITED ONE YEAR WARRANTY

The equipment is warranted for one year from date of purchase against defects in materials or workmanship provided it was purchased from an authorized dealer. This warranty does not cover equipment which has been abused or damaged by careless handling or shipping. This warranty does not apply to used or demonstrator equipment.

Should any defect develop, Lectrosonics, Inc. will, at our option, repair or replace any defective parts without charge for either parts or labor. If Lectrosonics, Inc. cannot correct the defect in your equipment, it will be replaced at no charge with a similar new item. Lectrosonics, Inc. will pay for the cost of returning your equipment to you.

This warranty applies only to items returned to Lectrosonics, Inc. or an authorized dealer, shipping costs prepaid, within one year from the date of purchase.

This Limited Warranty is governed by the laws of the State of New Mexico. It states the entire liability of Lectrosonics Inc. and the entire remedy of the purchaser for any breach of warranty as outlined above. **NEITHER LECTROSONICS, INC. NOR ANYONE INVOLVED IN THE PRODUCTION OR DELIVERY OF THE EQUIPMENT SHALL BE LIABLE FOR ANY INDIRECT, SPECIAL, PUNITIVE, CONSEQUENTIAL, OR INCIDENTAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THIS EQUIPMENT EVEN IF LECTROSONICS, INC. HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL THE LIABILITY OF LECTROSONICS, INC. EXCEED THE PURCHASE PRICE OF ANY DEFECTIVE EQUIPMENT.**

This warranty gives you specific legal rights. You may have additional legal rights which vary from state to state.

