



# LITHIUM 40v

## LITHIUM ION BATTERY CHARGER



## OWNER'S MANUAL

TOLL-FREE HELPLINE: 1-877-572-7278

(Monday - Friday / 8am - 4:30pm CST)



READ ALL SAFETY RULES AND INSTRUCTIONS CAREFULLY BEFORE OPERATING





## **STRIKEMASTER® LITHIUM 40v CHARGING BASE CONTENTS**

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## **PRODUCT SPECIFICATIONS**

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### **COMPONENTS**

- StrikeMaster 40v Lithium Battery Charging Base is compatible with the Lithium 40v 5 amp(LFV-B) and 6 amp(LFV6-B) Lithium Ion Batteries.
- Input: 120V AC 50/60Hz 1.5A
- Output: 40V DC 2.2A
- Weight: 1.48 lbs., (0.67 kg)

# STRIKEMASTER® LITHIUM 40v BATTERY CHARGING BASE QUICK START



IMAGE 1

1. Remove Lithium 40v Battery Charging Base from carton (Image 1). Plug in.
2. Unpack Battery, slide Battery onto Battery Charging Base using the channels on both sides as a guide. Press down until you hear it click in place. Leave Battery on Battery Charging Base until fully charged.  
**NOTE:** Battery is not fully charged when first removed from box and will not charge until Battery's core temperature is above 32°F
3. When Battery Charging Base indicator shows green, your Battery is charged (Image 3).



IMAGE 2

Your StrikeMaster Lithium 40v Battery is ready for use.

Your StrikeMaster Lithium 40v Battery Charging Base has built in "Smart Charging Technology". The chart below shows you the correct charging procedure/occurrences that could be experienced while charging.



IMAGE 3

## CHARGING PROCEDURE-----DO NOT REMOVE

BATTERY IS CHARGING	● RED	● RED
FULLY CHARGED	● RED	● GREEN
BATTERY IS TOO COOL OR TOO WARM TO CHARGE (REMOVE FOR APPROX. 30 MINUTES)	● RED	● ORANGE
NO BATTERY PRESENT	● RED	○ OFF
DEFECTIVE BATTERY (REFER TO OWNERS MANUAL)	● RED	> ● < RED BLINKING

**REGISTER YOUR PRODUCT ONLINE TO ACTIVATE YOUR WARRANTY**

[www.rapala.com/content/rapala-brand-warranties/strikemaster-warranty.html](http://www.rapala.com/content/rapala-brand-warranties/strikemaster-warranty.html)

# SAFETY INFORMATION

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## IMPORTANT SAFETY INSTRUCTIONS

### **SAVE THESE INSTRUCTIONS DANGER – TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS**

Read and understand all instructions before using this product. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

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#### **WARNING** FOR INDOOR USE ONLY

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#### **CAUTION** **RISK OF ELECTRIC SHOCK. DRY LOCATION USE ONLY.** Store indoors and do not expose to rain or water. Avoid direct sunshine.

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#### **CAUTION** **RISK OF FIRE OR ELECTRIC SHOCK, DO NOT INTERCONNECT OUTPUT TERMINATIONS**

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#### **CAUTION** **CHARGE ONLY RECHARGEABLE LI-ION BATTERY PACK LFV-B/LFV-BEU, OTHER TYPES OF BATTERIES MAY BURST CAUSING PERSONAL INJURY AND DAMAGE**

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#### **DANGER** **RISK OF ELECTRIC SHOCK. DO NOT TOUCH UNINSULATED PORTION OF OUTPUT CONNECTOR OR UNINSULATED BATTERY TERMINAL**

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### **SAVE THESE INSTRUCTIONS**

- This manual contains important safety and operating instructions for Battery Charging Base LFV-CB.
- Before using Battery Charging base, read all instructions and cautionary markings on Battery Charging Base, Battery and StrikeMaster Lithium 40v Ice Auger.
- To reduce the risk of fire and electric shock, install in a temperature- and humidity-controlled indoor area relatively free of conductive contaminants.
- Use of an attachment not recommended or sold by Battery Charging Base manufacturer may result in a risk of fire, electric shock, or injury to persons.
- Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- Do not abuse cord or Charging Base. Never use the cord to carry the Charging Base. Do not pull the charger cord rather than the plug when disconnecting from electrical outlet. Damage to the cord or charger could occur and create an electric shock hazard. Bring to an authorized service center if cords are damaged.
- Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way. Take it to an authorized service center for electrical check to determine if the charger is in good working order.
- Do not cover the ventilation slots on the top of the charger. Do not set the charger on a soft surface i.e. blanket, pillow. Keep the ventilation slots of the charger clear.
- Do not probe the charger with conductive materials.
- Do not disassemble Charging Base. Take it to an authorized service center when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- Disconnect Charging Base from the power supply when not in use. This will reduce the risk of electric shock or damage to the charger if metal items should fall into the opening. It also will help prevent damage to the Charging Base during a power surge.
- Do not use a damp cloth or detergent to clean the Battery or Charging Base. Clean / wipe down with a dry cloth.
- Do not allow the battery pack or charger to overheat. If they are warm, allow them to cool down. Recharge only at room temperature.

# SAFETY INFORMATION




## IMPORTANT SAFETY INSTRUCTIONS

### SAVE THESE INSTRUCTIONS *(cont.)*





- Unplug the Charging Base before cleaning and when there is no Battery in the charger.
- Do not try to connect two chargers together.
- Do not allow liquid inside the Charging Base.
- Do not try to use the charger for any other purpose than what is presented in this manual.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this Auger. If you loan someone this Auger, loan them these instructions also to prevent misuse of the product and possible injury.
- Confirm the voltage in each country before using the Charging Base.
- If the shape of the plug does not fit the power outlet, use an attachment plug adaptor of the proper configuration for the power outlet.

## SYMBOLS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	<b>DANGER</b>	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	<b>WARNING</b>	Indicates an potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	<b>CAUTION</b>	Indicates an potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	<b>CAUTION</b>	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

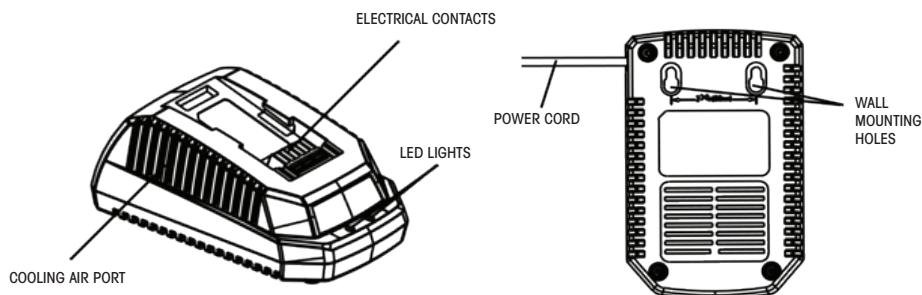
Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	MEANING
<b>V</b>	<b>VOLTS</b>	Voltage
<b>Hz</b>	<b>HERTZ</b>	Frequency (cycles per second)
<b>W</b>	<b>WATTS</b>	Power
 or <b>d.c.</b>	<b>DIRECT CURRENT</b>	Type or a characteristic of current.
<b>RPM</b>	<b>NO LOAD SPEED</b>	Rotational speed at no load.
	<b>WET CONDITIONS ALERT</b>	Do not expose to rain or use in damp locations.
	<b>SAFETY ALERT</b>	Indicates a potentially personal injury hazard.
	<b>READ OWNER'S MANUAL</b>	To reduce risk of injury, user must read and understand owner's manual before using this product.

# KNOW YOUR CHARGING BASE

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The safe use of this product requires an understanding of the information on the product and in this owner's manual as well as a knowledge of the project you are attempting. Before using this product, familiarize yourself with all operating features and safety rules.



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

## **⚠ WARNING**

Changes or modifications to this unit not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment.

**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. This 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 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 the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **⚠ WARNING**

Do not allow familiarity with products make you careless. Remember a careless fraction of a second is sufficient to inflict serious injury.

## **⚠ WARNING**

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

## **⚠ CAUTION**

Charge in a well ventilated area. Do not block charger vents. Keep them clear to allow proper ventilation.

# OPERATION

## CHARGING PROCEDURE

**NOTE:** The Battery Pack is not shipped fully charged. It is recommended to fully charge before first use to ensure that maximum run time can be achieved. This lithium-ion battery will not develop a memory and may be charged at any time.

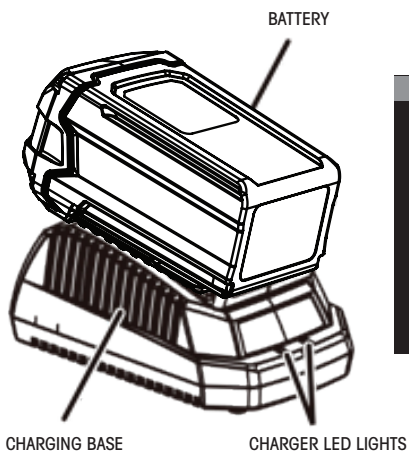
## LOW VOLTAGE CHARGING

If the battery has been stored with little to no charge for a long period of time, the charger will go into recovery mode, which will take 20 hrs. to fully charge the battery. This will enhance the life of the battery. Once it is fully charged, the next charge will return to standard charging.

A fully discharged battery pack will require approximately 150 minutes for 5ah and 180 minutes for 6ah to fully charge from a discharged state.

1. Plug the Charging Base into an AC power outlet.
2. Insert the Battery into the Charging Base.

This is a diagnostic charger. The Charging Base LED Lights will illuminate in specific order to communicate the current battery status. They are as follows:



### CHARGING PROCEDURE---DO NOT REMOVE

BATTERY IS CHARGING	● RED	● RED
FULLY CHARGED	● RED	● GREEN
BATTERY IS TOO COOL OR TOO WARM TO CHARGE (REMOVE FOR APPROX. 30 MINUTES)	● RED	● ORANGE
NO BATTERY PRESENT	● RED	○ OFF
DEFECTIVE BATTERY (REFER TO OWNERS MANUAL)	● RED	> ● RED < ● BLINKING

## FALSE DEFECT NOTE

When the Battery is inserted into the Charging Base and the status LED blinks RED, remove the Battery from the charger for 1 minute, then reinsert. If the status LED blinks GREEN, then the Battery is properly charging. If the status LED is still blinking RED, remove the Battery and unplug the Charging Base for 1 minute. After 1 minute, plug in the Charging Base and reinsert the Battery. If the status LED blinks GREEN, then the Battery is properly charging. If the status LED is still blinking RED, the Battery is defective and needs to be replaced.

**NOTE:** When the red indicator flickers, pull out the Battery from the Charging Base and insert again within 2 hours. If the indicator shows charging, that means the Battery is good. After 2 hours, please pull out the Battery and also pull out the AC power plug of the Charging Base for 1 minute, and then insert the AC power plug and the Battery again. If the indicator shows charging, that means the Battery is good. If not, the Battery needs to be replaced.

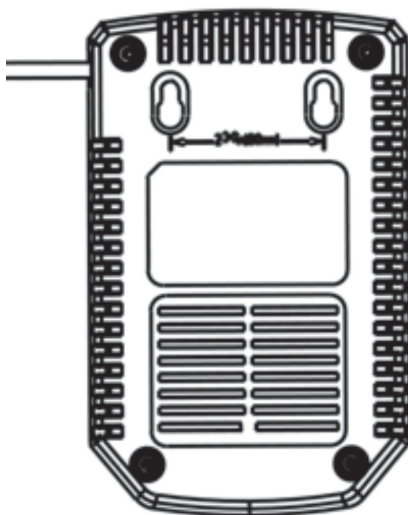


# OPERATION

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## CHARGING BASE MOUNTING

1. This Charging Base can be installed hanging on a wall using two screws (not included)
  2. Locate the placement for the Charging Base to be wall mounted.
  3. If fastening to wood studs use 2 wood screws.
  4. Drill two holes 2-3/8" (6 cm) on center ensuring they are level.
  5. If fastening to drywall use wall anchors and screws to secure the Charging Base to the wall.
  6. This power unit is intended to be correctly orientated in a vertical or floor mount position.
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**NOTE:** *If the Battery and the Charging Base won't be used for a long time, remove the Battery from the Charging Base and unplug the AC power plug.*

# MAINTENANCE

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## WARNING

To avoid serious personal injury, always remove the Battery from the Auger when cleaning or performing any maintenance.

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## WARNING

When servicing, use only identical StrikeMaster replacement parts. Use of any other parts may create a hazard or cause product damage

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## WARNING

It is not recommended to use compressed air as cleaning method of this charger. If cleaning with compressed air is the only method to apply, always wear safety goggles or safety glasses with side shields when using compressed air to clean tool. If the operation is dusty, also wear a dust mask.

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## GENERAL MAINTENANCE

- Brush or blow dust and debris out of the air vents using compressed air or a vacuum. Keep the air vents free of obstructions, sawdust, and wood chips. Do not spray, wash, or immerse the air vents in water.
- Wipe off the housing and the plastic components using a dry, soft cloth. Do not use strong solvents or detergents on the plastic housing or plastic components. Certain household cleaners may cause damage and may cause a shock hazard.

## STORAGE

- Always remove the Battery Pack before storing the Charging Base or any time the Charging Base is unplugged.
  - Do not place the Battery Pack in the sun or in an extremely warm environment. Keep at normal room temperature.
  - If the battery will not be used for 3 months or more, store the Battery in a controlled temperature environment. Fully charge before storage.
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## WARNING

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc. to come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

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# TROUBLESHOOTING

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PROBLEM	POSSIBLE CAUSE	REMEDY/ACTION
Charger doesn't work. Charger shows defective mode (LED flashes Red)	Battery or Charging Base is defective or bad connection between Battery and Charging Base	1) Try to remove and reinsert Battery in the Charging Base 2) Try charging a different battery 3) Unplug Charging Base and wait until the red LED goes out. Then reconnect the plug to power supply
Charging Base doesn't work. Charging Base shows evaluation mode (LED indicates Red solid ON)	Battery is too hot or too cold	Allow Battery to reach normal temperature. Charging will begin when Battery returns to 37°F-117°F (3°C-47°C)

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## 2-YEAR LIMITED WARRANTY

### CHARGING BASE WARRANTY

StrikeMaster® hereby warrants this product, to the original purchaser with proof of purchase, for a period of two (2) years against defects in materials, parts or workmanship. Batteries must be charged in accordance with the owner's manual's directions and regulations in order to be valid. StrikeMaster, at its own discretion will repair or replace any and all parts found to be defective, through normal use, free of charge to the customer. This warranty is valid only for units which have been used for personal use that have not been hired or rented for industrial/ commercial use, and that have been maintained in accordance with the instructions in the owner's manual supplied with the product from new.

### ITEMS NOT COVERED BY WARRANTY

1. Any part that has become inoperative due to misuse, commercial use, abuse, neglect, accident, improper maintenance, or alteration; or
2. The unit, if it has not been operated and/or maintained in accordance with the owner's manual; or
3. Normal wear, routine maintenance, normal deterioration of finish due to use or exposure.

### REGISTER YOUR PRODUCT ONLINE TO ACTIVATE YOUR WARRANTY

[www.rapala.com/content/rapala-brand-warranties/strikemaster-warranty.html](http://www.rapala.com/content/rapala-brand-warranties/strikemaster-warranty.html)

### TRANSPORTATION CHARGES

Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. It is the purchaser's responsibility to pay transportation charges for any part submitted for replacement under this warranty unless such return is requested in writing by StrikeMaster.



**TOLL-FREE HELPLINE: 1-877-572-7278**

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