MADE IN USA

# OWNER'S MANUAL

USA Utility Patent # 8,013,567

## OWNER'S MANUAL Serial # PIN_____

## SAFETY INSTRUCTIONS & SPECIFICATIONS

**Save This Manual & Read Before Use:**

This manual will explain how to safely and effectively operate and maintain your CIC POWERBOX product. Please read and adhere to all instructions and precautions carefully. Keep this manual and the purchase receipt in a safe and dry place for verification of purchase and for future reference for the safety warnings and precautions, operating instructions and maintenance procedures. For all superseding company updates and up to date operating instructions and warranty information, please see our website at www.cicpowerbox.com or contact us directly at PHO# 802-468-7696.

**Models:**

**CROSSOVER - STANDARD & CONTRACTOR'S FULL SIZED TOOL BOXES**
**CHEST - STANDARD & CONTRACTOR'S IN-THE-BED TOOL BOXES**
**GO-BOX - TOTALLY PORTABLE POWER SYSTEMS**


Visit our website www.cicpowerbox.com
Call our technical support 802-468-7697

**! WARNING !**

Read this manual and adhere to all warnings and precautions found herein, on the device itself **AND** all warnings and operating information for any tool or product to be used in conjunction with the CIC POWERBOX product before use. Failure to do so could result in property damage, serious injury or even death. **SAVE THIS MANUAL.**


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**Upon Receipt of Your POWERBOX Product:**

Please verify that your CIC POWERBOX product has arrived undamaged and is fully functional at the time of purchase and receipt. If any part of the CIC POWERBOX product is damaged or for any reason not working, please call CIC POWERBOX LLC at Pho# 802-468-7697 immediately.

Because of the continued innovation of CIC POWERBOX LLC, your actual product purchased may vary slightly from the product described herein and some hardware and materials may not be included. Contact CIC POWERBOX LLC for any concerns with any variances.

If you have any questions concerning the operation or maintenance of your CIC POWERBOX product, please visit www.cicpowerbox.com or call Customer Service:

PHO # 802-468-7697 (802-GOT-POWR)

Hours: 8:00 am – 5:00 pm CST Monday-Friday

Please keep your purchase receipt in a safe place as proof of purchase.

If the unit is returned without a dated proof of purchase, an out of warranty service charge may apply.

**Note:** Your warranty period begins at the time of purchase. The warranty is only validated through your receipt.

## FOUR COMMANDMENTS

1. DO NOT move your vehicle before turning off all switches and placing the retractable cords and hoses in travel position before closing and locking lid.
2. DO NOT shut off the air compressor system in the middle of a cycle. Please allow the air compressors system to run through a full charge cycle and shut off automatically. Bleed all air pressure from system if a problem occurs.
3. DO NOT let your battery system drop below 10.5 volts before beginning a recharging cycle. Recharge the system to full capacity as soon as possible.
4. DO NOT hesitate to CALL US… if for any reason your POWERBOX is not operating normally or for any questions regarding its safe use and function.

CIC POWERBOX PHO # 802-468-7697 (802-GOT-POWR)



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# MISSION STATEMENT

Our mission at CIC POWERBOX, LLC is to provide you with a safe, reliable and durable product that will supply you with power whenever and wherever you need it. Our patented, environmentally friendly designs insure that you will have power during emergencies, at work, or simply to enhance your favorite recreational activities. CIC POWERBOX products will always provide you with peace of mind knowing that you can air up tires, jump start vehicles and provide AC power to your electrical appliances.

# INTRODUCTION

*Dear CIC POWERBOX Customer,*

*Thank you for purchasing a CIC POWERBOX product. We know you're going to love the POWER! The CIC POWERBOX provides commercial grade power for all your tough jobs, like jump-starting vehicles and heavy machinery, airing up vehicle tires and operating air tools, as well as providing crucial AC Electric Power during emergency situations.*

*The AC electric power, compressed air power, and high amperage DC electric power can be dangerous, so please use your POWERBOX with care and follow the instructions of all safety requirements and warning labels as shown on the device, on our website and especially those included here in your Owner's Manual.*

*Keep your POWERBOX's internal battery charged at all times to ensure that you will have full reserve power for whatever job you need to do. Never let your POWERBOX battery drop below 10.5 volts and make sure to recharge the battery as soon as possible after it has been discharged to ensure the battery's long term reserve capacity and lifespan.*

*We know that once you begin using your POWERBOX for work and for fun, you'll soon have your own story about how it provided power wherever you needed it. We encourage you to email CIC POWERBOX, LLC with your own stories for possible inclusion on our website as a personal testimonial to how your POWERBOX took care of you in your time of need!*

*And from now on, because you own a CIC POWERBOX, we want you to remember that…*

***Wherever you go… Go With POWER!!!***

*Sincerely,*

*Team POWERBOX*

*Always check www.cicpowerbox.com for the latest information on your POWERBOX product.

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# SAFETY WARNINGS & HAZARDS


**Your CIC POWERBOX contains HAZARDOUS VOLTAGE & COMPRESSED AIR inside. Misuse Can Result in FIRE, EXPLOSION, PROPERTY DAMAGE, PERSONAL INJURY or DEATH by ELECTRICAL SHOCK, COMPRESSED AIR, or HIGH AMP DC**

**PROTECT yourself, others and your personal property. Read, understand and adhere to all information in this manual before use.**

| | |
|---|---|
|   | SAFFETY ALERT SYMBOL.<br>This will alert you to possible personal injury hazards. Follow all safety information that follows this symbol to avoid potential injury or death. |
|   | Indicates a hazardous situation which, if not avoided, will result in property damage, serious injury or death. |
|  | Addresses practices to insure your safety. |

**Read all warning and safety precautions** in this OWNER'S MANUAL and on the CIC POWERBOX Product carefully AS WELL AS all other warning and safety precaution materials for any other product(s) potentially found in or to be used with the CIC POWERBOX **before use and adhere to and follow all directions during use**.

This manual will provide you with directions for the safe and efficient operation of your POWERBOX product. Read the manual carefully before using your new POWERBOX product and keep the manual on file for future reference.

# GENERAL SAFETY INFORMATION

**During any operation of the CIC POWERBOX, please make certain that the vehicle in which it is installed is parked in a safe, easily accessible and highly visible location and that the parking brake is on. Please follow all safety information in the vehicle's owner's manual. Please make sure to abide by all state and local "no idle laws" as well as all other laws pertaining to the vehicle in which your POWERBOX is installed. Any reference to the "vehicle" within this document, refers to the vehicle in which the POWERBOX is installed.DO NOT Dismantle, Modify, Drill or Cut into the CIC POWERBOX. Doing so will result in the immediate void of the manufacturer's warranty and could result in FIRE, EXPLOSION, PROPERTY DAMAGE, PERSONAL INJURY, or DEATH.**

1. **DO NOT operate the CIC POWERBOX while tired, distracted or under the influence of drugs, alcohol or medication.** Remain alert and always use common sense when operating the CIC POWERBOX.
2. **DO NOT allow anyone other than trained and authorized users to operate the CIC POWERBOX product.**
3. **Not recommended for use with medical equipment**. Check with the appliance manufacturer for compatibility with modified sine wave inverters.
4. **DO NOT USE WHEN WET.** Keep the interior of the POWERBOX dry. **Do not** operate the POWERBOX if you, the interior, the device being operated or any other surfaces that may come in contact with any power sources, are wet. Water and many other liquids can conduct electricity which may lead to serious injury or death.
5. **DO NOT operate the CIC POWERBOX in precipitation or in or near standing water.**
6. **DO NOT spray water into the external AC outlets or DC Anderson Connector.**
7. **Adult supervision required during all operations**. KEEP AWAY from children, pets and bystanders.
8. **ALWAYS use safety glasses and proper work attire while operating the POWERBOX.**
9. **DO NOT leave active POWERBOX unattended.**
10. **When not in use, ALWAYS make certain that all switches are in the "OFF" position and that the lid is securely SHUT and LOCKED.**
11. **Product contains lead (Pb).**
12. **DO NOT close the POWERBOX lid on electrical cords, air hoses or jumper cables.**
13. **In the event of an emergency POWERBOX system failure, turn off the vehicle in which the POWERBOX is installed, as well as turn off all switches and functions of the CIC POWERBOX, only if you are able to do so safely.**
14. **In the event of an internal POWERBOX fire follow previous instructions and shut the lid. If you cannot close the lid, use a dry fire suppressant extinguisher. Use water or other liquid fire suppressants only as a last resort.**
15. **If the fire persists, call your local fire department immediately.**
16. Upon the failure of any of the CIC POWERBOX systems, please contact, your dealer or CIC POWERBOX LLC by calling 802-468-7697 or through our website at www.cicpowerbox.com, for instructions and information regarding the replacement/disposal of any components



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## BE SMART – USE COMMON SENSE – THINK SAFETY

Always use logic and reason when operating the CIC POWERBOX. CIC POWERBOX products employ parts and systems that can be dangerous and even lethal if used or cared for improperly. CIC POWERBOX LLC will not be held liable for any damage to property or person(s) if the product is operated with negligence or in any way contrary to the information provided in this manual.

CIC POWERBOX LLC values safety above all else. If you have any questions or concerns about the operation and maintenance of your CIC POWERBOX product, please call 802-468-7697 or visit www.cicpowerbox.com.

# ELECTRICAL SAFETY INFORMATION

1. **110 volts can be lethal**. Improper use of your POWERBOX may result in property damage, personal injury or loss of life.
2. **Always wear proper grounding work-attire when using AC power**.
3. **Never insert anything other than certified 110v AC plugs into the POWERBOX AC outlets**.
4. **Always use GFIC Pig Tails on all AC powered tools.**
5. **The POWERBOX uses a modified sine wave AC POWER Inverter and is not rated to operate medical equipment.**
6. **DO NOT use the AC power to charge batteries or battery packs that are not rated for use with a modified sine wave inverter.**

## OFF AC POWER GRID – NEVER CONNECT TO AC POWER LINES

1. **During any emergency event, shut off AC Power and all other systems, as long as you can do so safely. Never connect your CIC POWERBOX to any AC POWER GRID system. Even during emergencies, do not connect the AC POWER from your POWERBOX to any house or commercial power line system to operate a device. Doing so can cause property damage, injury and death.**

# COMPRESSED AIR SAFETY INFORMATION

1. **Always wear eye protection and appropriate safety gear when using compressed air.**
2. **Never aim air pressure towards yourself or towards another living creature**. High air pressure can penetrate the skin and cause air bubbles to flow into the heart causing serious injury or death.
3. **Never use air pressure to play "practical jokes."**
4. **Appropriate air nozzles with relief valves must be used**. Improper nozzles and use can inject air into the skin.
5. **Use only recommended air handling parts acceptable for pressures not less than 125 PSI.**
6. **DO NOT spray a flammable or combustible liquid or paint near sparks, flames, or pilot lights or in a confined area**. Spray areas must be well ventilated.
7. **The Compressor starts automatically when PSI drops below 90 PSI to recharge the system.**

8. **Make certain that the POWERBOX air regulator is set to the appropriate regulated pressure for the air tool being used.**
9. **GOBOX air systems are air on demand only.**

# HIGH AMP DC JUMP START SAFETY INFORMATION

1. **Never attempt to jump start anything other than a 12 Volt DC system with your POWERBOX. If you own a 24 volt system, please contact CIC POWERBOX for specific instructions on use and care.**
2. **The POWERBOX's 12 Volt DC power connection is ALWAYS LIVE**. Never insert anything other than the proper Anderson Connectors into the DC Anderson outlet.
3. **This equipment employs parts that tend to produce arcs or sparks and therefore, could cause explosion of gas mixtures or vapors**. Making the connection between the positive (+) clamp of the booster cables and the positive (+) terminals of any battery may cause sparks. Due to the potential for sparking, it is extremely important that this operation is well removed from any possible source of flammable fumes or gases. Failure to heed this warning **could result in fire, explosion, and/or death.**
4. **Never let the positive and negative booster cables come into contact while connected to the POWERBOX.**
5. **Never let the positive alligator-clamp of the booster cable come into contact with any part of a vehicle, other than the positive terminal on the vehicle's battery, while the booster cables are connected to the POWERBOX**. Doing so could potentially short out the system and/or cause damage to the vehicle.

# CHARGING SAFETY INFORMATION

1. **DO NOT CHARGE your POWERBOX by operating your vehicle in an enclosed environment.**
2. **DO NOT charge the battery if it becomes frozen.**
3. **DO NOT attempt to use the POWERBOX in tandem with any smart charger to charge external battery systems using the booster cables**. Doing so could result in fire or explosion of external battery and/or damage, fire, or explosion of internal battery systems.
4. **RISK OF EXPLOSIVE GAS MIXTURE DURING CHARGE CYCLE**. The POWERBOX smart charging system employs parts, such as switches and relays that tend to produce arcs or sparks and therefore, could cause an explosion of gas mixtures or vapors. Only charge the POWERBOX in a well ventilated environment and only connect to a properly grounded 115v wall outlet.
5. **DO NOT attempt to charge the POWERBOX with anything other than a smart-charging system provided by CIC POWERBOX LLC.**
6. **DO NOT expose the charger to precipitation or wet environments.** Now that you've read and understand the warnings and potential dangers of improper use of your CIC POWERBOX product, you're ready to get started!
7. Make sure to keep your Owner's Manual safe place so you may refer to it in the future. The latest revision of the CIC POWERBOX's Owner's Manual can be found on our website at www.cicpowerbox.com. in a

# KEEP IT CHARGED !

As you have already read, it is CRUCIAL that you keep your POWERBOX battery properly charged at all times. The POWERBOX internal battery system is the heart and soul of your portable power solutions and must be properly maintained to ensure the best possible performance of your product! In order to properly maintain your POWERBOX battery, simply charge your POWERBOX to 12.6 to 13 volts after each use. These unique batteries can provide the power you need to get the job done and will last for several years if cared for properly.

# OPERATION

"ON" / "OFF" Switches are marked with icons. To interpret switch numbers, count from left to right,1 through 5, or on some models 1 through 4. On vertically mounted switch panels, count bottom to top, 1 through 4. GOBOX models only have one OFF and ON power switch with two settings, USB only or AC Power ON.

WARNING! The improper operation of any CIC POWERBOX product can be dangerous! Before operation, please thoroughly read and adhere to all warnings and precautions found within this owner's manual as well as all warnings and instructions found on the CIC POWERBOX product.

It is also imperative that you read and adhere to all warnings and precautions found in the owner's manuals of any tools, electronics or machinery that you wish to operate using the CIC POWERBOX.

Not only is certain equipment incompatible with CIC POWERBOX products, some equipment is potentially dangerous to attempt to operate with any CIC POWERBOX PORTABLE POWER & UTILITY SYSTEM. If you have any questions concerning the operation of your CIC POWERBOX product, please visit www.cicpowerbox.com or call 802-468-7697.

# GENERAL OPERATING PRINCIPLES

Please read and understand all **Operating Principles** before attempting to operate the CIC POWERBOX Product. Failure to do so may result in the void of the manufacturer's warranty, damage to personal property or the POWERBOX itself, as well as inadequate performance of the CIC POWERBOX product. If you have any questions or concerns, please contact CIC POWERBOX LLC for more information.

# BATTERY SYSTEM

**Battery Type**

The on-board battery system is a GEL type AGM sealed 12 volt battery.

**Battery Duration**

The POWERBOX will provide several hours of operating power under normal work conditions. The actual length of work-time of the CIC POWERBOX is a function of several variables, including the age and condition of the battery and the power demand being placed on it by the equipment being operated. If you are using the POWERBOX for an extended period of time, it is recommended to start a charging cycle when the battery nears 10.5 volts. Let the charge cycle continue until the battery reaches a minimum of 11.5 volts before using the system again. For best results, it is recommended that all POWERBOX switches are in the "OFF" position before beginning a charge cycle.

- **DO NOT let the POWERBOX battery drop below 10.5 Volts**. If the Battery reaches this level, you must immediately recharge your POWERBOX battery. Allowing the POWERBOX battery to remain at 10.5 Volts or less for an extended period may result in a shortening of the battery's life expectancy, complete battery failure and the void of the manufacturer's warranty. If for any reason the battery is voltage is below 10.5 volts, the built-in smart charger may not be able to recover the battery and recharge it properly. This could affect the battery warranty. Please contact CIC POWERBOX with any issues in recharging the battery system.
- **AVOID overheating the POWERBOX**.
- **ALWAYS make sure all switches are in the "OFF" position after you have finished using the POWERBOX and before closing the lid.**
- **It is recommended to ALWAYS turn the POWERBOX flood lights on during any operation.** This will serve as a visual aid for you and others to show that the POWERBOX is open and active for operation.
- **ALWAYS disconnect all tools, cables, appliances, etc. from the POWERBOX as well as retract all hoses and electrical cord reels to their travel mode before driving or moving the vehicle in which the POWERBOX is installed.**

# JUMP STARTING VEHICLES

Always connect alligator clamps to correct battery terminals, red (+) positive and black (-) negative.

If connecting to vehicle cables, verify polarity before contact. When clamping to connection point, you may need to grind/wobble clamp point to ensure a good electrical connection to wiring/battery terminal. Always use the shortest length of jumper cables possible between POWERBOX and vehicle electrical system to maximize current flow and proper voltage.

# AC POWER

## Operating Principles:

- **Modified Sine Wave**

The internal inverter system converts low voltage, direct current (DC) to 115 volt alternating current (AC). The AC output is called **modified sine wave**. The inverter draws power from a 12v deep cycle gel cell battery system. Check with the appliance manufacturer for compatibility with modified sine wave inverters for any appliance or tool you wish to operate using the POWERBOX. **Some appliances may not work well, not at all or be damaged**. For more information on compatibility issues, please visit www.cicpowerbox.com.

- **Peak POWER vs. Continuous POWER Loads**

Power equipment and appliances which operate with electric motors or tubes require an initial surge of power to get them up and running. This power surge is referred to as the **starting load** or **peak load**. (By comparison, electrical devices such as standard light bulbs do not require a large starting load.) Once the equipment or appliance has been powered up, it settles to a slower pace and requires far less electrical power to operate. This lower power requirement is referred to as the "**continuous load**."

The POWERBOX can supply an initial amp surge of approximately 25 amps but can only supply a continuous amp load of 17-18 amps. Running the AC power continuously at maximum load can overheat the POWERBOX and potentially cause the internal power system to trip and shut off. If the POWERBOX stops supplying AC power, turn switch "1" to the "OFF" position and wait 60 seconds for the system to reset before turning switch "1" back on.

If the POWERBOX will still not supply AC power after the system has been reset, check the battery percentage on the Digital Volt Meter (DVM). If the battery is low, immediately begin a charging cycle. If the battery system is charged and the POWERBOX still will not supply AC power, then turn all switches to the "OFF" position except for switch "2", the air compressor switch, which will allow the internal DC cooling fan to begin cooling the system. Depending on the ambient temperature of the environment in which the POWERBOX is being used, allow the POWERBOX to cool down for 10-30 minutes before trying to operate the AC power again. The lid of the POWERBOX should be left open during any cooling operation.

**In order to ensure that the capacity of your POWBERBOX is sufficient to meet the required start up load, you must first determine the power consumption of the equipment or appliance you plan to operate.** Power consumption is rated either in wattage or amperes, and information regarding the required "watts" or "amps" generally is stamped or printed on most appliances and equipment. If the information is not indicated on the appliance or equipment, check the owner's manual. Contact the appliance or equipment manufacturer to determine if the device you are using is compatible with modified sine wave.

If the power consumption is rated in amps, multiply the number of amps by 115 (AC voltage) to determine the comparable wattage rating. Induction motors may require 2 to 6 times their normal operating wattage rating for actual power surge start up.

Although your POWERBOX has the capacity to provide power output (excess current) equal to approximately two times its continuous rated wattage capacity (i.e. 4,000 watts) for a very brief period, it is designed to operate equipment and appliances with wattage ratings no higher than its own maximum continuous wattage rating (2,000 Watts).

For example, the standard model has a maximum continuous rating of 2,000 watts. Although this model has the capacity to briefly provide more than its 2,000 watt continuous power output (that is, excess current), it is specifically designed to operate equipment and appliances with continuous load requirements of 2,000 watts or less.

Consequently, if the start-up load rating of your equipment or appliance is slightly higher than the maximum continuous rating of the inverter, the inverter will attempt to start the load or meet the surge power requirement of the load. Some equipment and appliances require very high start-up loads to operate. Before attempting to power up this type of equipment or appliance, make certain that all connections have been properly made and that the POWERBOX is fully charged.

To determine whether your inverter will operate a particular piece of equipment or appliance, **run a test**. The inverter is designed to shut down automatically in the event of a power overload. Testing appliances and equipment with start- up load ratings comparable to your inverter wattage rating will not damage it.

If a piece of equipment or an appliance will not operate, turn the AC switch ON (I), wait five seconds and then turn the AC switch Off (O) and ON (I) again. If this procedure is unsuccessful, it is likely that the inverter does not have the required start up capacity to operate the equipment or appliance in question. Please contact CIC POWERBOX LLC for more information.

**If it does not violate your state or local laws, it may be necessary to keep the vehicle motor running in order to operate certain high amperage tools. When the vehicle motor is running, the POWERBOX automatically connects to the vehicle, thus providing additional power from the vehicle battery and the vehicle alternator system to the POWERBOX.**
**This additional power may be sufficient to allow you to start and run your appliance or tools that may be at the maximum load capability of the POWERBOX.**

- ## Extension Cords:

The use of an extension cord from the POWERBOX to the appliance or equipment being operated will decrease the power being delivered to the load. For best operating results, plug the appliance or tool directly into the external POWERBOX AC outlet, the internal POWERBOX power strip or use an extension cord no more than 50 feet long.

- **Running Multiple Appliances or Tools Simultaneously:**

If more than one piece of equipment or appliance is to be operated at the same time, first turn on the AC power and then turn on each piece of equipment or appliance separately (starting with the appliance that draws the most power) to enable the inverter to produce the required start up loads. Note: The internal air compressor systems is also powered by the 115 Volt AC power system, therefore, if air power is being used along with other tools or appliances, this power need must be factored into your total operating power requirements.

- **Charging Batteries:**

Using your POWERBOX with battery chargers for power tools, flashlights, video cameras laptop computers, etc., may cause damage to the POWERBOX inverter or the charging unit. Check with the appliance manufacturer for compatibility with modified sine wave inverters if you're unsure. Although we advise against it, if you attempt to use a charging unit, monitor the temperature of the charging unit for approximately 10 minutes. If the charging unit becomes unusually warm, disconnect it from the POWERBOX immediately.

- **For Cooking and other Heating Elements:**

Heating elements tend to drain the POWERBOX's system much quicker than other appliances. Please pay close attention to your DVM if attempting to use a heating element with your POWERBOX.

The power rating commonly associated with microwave ovens is the "cooking power" which is the power being "delivered" to the item being microwaved. The actual operating power requirement rating is higher than the cooking power rating and typically is referenced on the back of the microwave. If the operating power requirement does not appear on the back of the microwave, check the owner's manual or contact the manufacturer.

- **Television and Audio:**

In most cases the POWERBOX will provide sufficient power for most media devices without any noticeable effect. Some interference or audio noise with your television picture may be unavoidable, especially with weak signals.

NOTE: Inexpensive sound systems may emit a "buzzing" sound when operated with the POWERBOX. This is due to inadequate filters in the sound system. There is no solution to this problem, short of purchasing a sound system with a higher quality filtered internal power supply.

## Operating Procedure:

1. For 115 Volt AC Electrical Power, turn "ON" switch "1" (as indicated by the AC electrical outlet icon). Wait 5 seconds before operation of any AC Powered tool or appliance.

# AIR COMPRESSOR

## Operating Principles:

- **DO NOT turn off the air compressor system before it has completed its cycle, it will automatically shut "OFF" when it reaches full air pressure.** Shutting off the air compressor before it has finished its cycle puts unnecessary stress on the system and may lead to system failure
- **DO NOT run the air compressor continuously for more than 10 minutes at a time without providing a cool-down period.**
- **It is not recommended to connect the POWERBOX system to a spare air tank of more than 10 gallons in capacity.**
- **The CIC POWERBOX air compressor is an oil-less AC compressor**. In order to operate the air compressor, the AC power must be "ON".
- **For full air-pressure flow through the retractable hose reel, always make sure that the air regulator dial is set to "MAX" air flow.** This is indicated when the word "MAX" on the regulator dial is running parallel with the brass assembly.
- **Always operate all air tools using the regulated retractable air hose reel.** The auxiliary air supply should only be used to drain condensation and for connecting spare air tanks.
- **Periodically drain condensation from the POWERBOX's internal air tank through the auxiliary air hose coupler**.
- **If refilling the internal POWERBOX air tank from an external air pressure supply source, only use the auxiliary air coupler as the access point. Do Not exceed 125 psi.**
- **Before closing the lid of the POWERBOX, always make sure that the air hose is retracted into the "travel mode."**
- In case of air compressor failure, pull up on the pop off valve attached to the pressure gauge until all air pressure in the system is released and the pressure gauge reads "0 PSI." Check the silver circuit breaker adjacent to the air hose to make sure that the black button is still pressed in. If the black button on the circuit breaker has popped out, press it back in to reset the system.
- The POWERBOX has a DC fan built into the system to help with the cooling process. To run the fan, simply turn switch 2 to the "ON" position. (The fan is always running if you have the air compressor on).

## Operating Procedure:

1. For Compressed Air Power, turn "ON" switch "# 1", for AC Electrical Power, wait 5 seconds and then turn "ON" switch " # 2", with the Air Compressor icon.
2. To properly extend the retractable air hose from the POWERBOX, firmly grasp the air hose behind the air chuck, lift straight up and walk in a perpendicular path away from the POWERBOX (typically to the rear of the vehicle).
3. You will hear a series of 3 clicks in quick succession as the hose extends. In order to set the hose at a desired length, stop extending the hose when you hear the second click in a series.
4. To properly retract the air hose, pull the hose taught in a perpendicular straight line away from the POWERBOX. Carefully but firmly pull the hose out in order to release the latching mechanism. Slowly walk the hose back towards the POWERBOX as the hose re-winds onto the hose reel assembly. Make sure to wind the hose back onto the reel in an even fashion allowing the hose to seat properly on the assembly.

5. Work Mode: When the hose is completely and properly retracted onto the hose reel assembly, the air hose is in "work mode." Before closing the lid, you must put the air hose in "travel mode."
6. Travel Mode: Extend the air hose until the first series of clicks allows you to activate the latching mechanism and then position the end of the air hose inside the POWERBOX. Leaving the hose in work mode when the lid is closed will pinch and cause unnecessary wear on the air hose, causing leaks and air hose failure.

# COOLING FAN

## Operating Principles:

- **The cooling fan is always operating when the AC air compressor is on**. The cooling fan is operated by the DC battery system and should be turned off when not in use. The cooling fan has no automatic shutoff and will drain the POWERBOX battery if left on indefinitely.
- **When using the POWERBOX in high ambient temperature conditions, turn on switch "2" to assist in the cooling of the system**. You may need to allow the Air power to charge to its maximum pressure and reach it's automatic shut off point. By leaving switch "# 2" "ON", the cooling fan will continue to run, assisting in the cooling of the system, thus enabling your AC Inverter power system to perform better.

## Operating Procedure:

1. To operate the DC cooling fan, turn switch "2" to the "ON" position.

# FLOOD LIGHTS

## Operating Principles:

- **DO NOT cover the flood lights with any potentially flammable material**. Always make sure that your DC lights are clear of any obstruction. The lights can reach a high temperature and can cause a fire if left on too close to a flammable substance or material.
- **The flood lights are operated by the DC battery system and should be turned off when not in use**. The flood lights have no automatic shutoff and will drain the POWERBOX battery if left on indefinitely.
- **If the lights appear to be more dim than usual, immediately check the charge state of your POWERBOX.** Aside from providing ample light to help you find tools or to illuminate your worksite, the flood lights can also be used as an alternative visual indicator for the charge state of your battery.
- **For best safety practices, CIC POWERBOX recommends that you always turn on your flood lights, day or night, to indicate that your POWERBOX is open and operating.**

## Operating Procedure:

1. To operate flood lights, turn switch "3" (light bulb icon) to the "ON" position.

# MEDIA

## Operating Principles:

- **The CIC POWERBOX ROCKBOX is a marine stereo, meaning it is water resistant but NOT waterproof**. Avoid operating the ROCKBOX in precipitation.
- **Safety – In the weather band emergency mode, the ROCKBOX will notify you of impending storms and warnings, Amber Alerts and emergency notifications of school lock downs, etc.**

## Operating Procedure:

1. Turn switch "4", as indicated by the treble cleft icon, to the "ON" position.
2. If the media device does not come on after turning on switch 4, hold the power button down on the media device until the device turns on. After the device is activated, you can turn the device off by turning switch "4" to the "OFF" position.
3. Always turn the media device off before shutting the POWERBOX lid.

# DIGITAL VOLT METER / BATTERY GAUGE

## Operating Principles:

**The built in DVM (Battery Gauge) typically provides a reading 5 to10 percent lower than the true state of the POWERBOX's battery charge**. For the most accurate reading, make sure all other switches are turned off when the DVM is activated. The DVM itself pulls a small amount of power from the battery system and will therefore give a reading short of the true state of charge. Example: 75% battery on the DVM translates to 85% actual charge.

- For the most accurate reading of the POWERBOX's internal battery system, turn the AC power on and plug the smart charging system into the AC outlet (For the CHEST model, you must also properly connect the alligator clamps to the POWERBOX Anderson connector). Wait a few moments until the charger display shows the voltage and the battery percentage of your internal battery system. If the battery is low, immediately begin recharging your POWERBOX.
    a. NOTE: this method must be used to check the battery percentage and voltage for all models that do not have a built in DVM.

## Operating Procedure:

1. Turn switch "5", as indicated by the charging battery icon, to the "ON" position. (This may be switch # 4 on vertically mounted switch panels.)

# CHARGING

. **Operating Principles:**

- **DO NOT overcharge the battery.**
- **DO NOT smoke, strike a match, or cause a spark in the vicinity of battery during charging.**
- **Charge in a well-ventilated area.**
- **DO NOT use when wet.**
- **The CIC POWERBOX CANNOT charge itself by using the built in AC system and smart charger system in tandem.**

## Operating Procedure:

To Charge the **CROSSOVER** CIC POWERBOX Using Built-In Speed Charger:

1. Make sure that all POWERBOX switches are in the "OFF" position.
2. Connect charger to a properly grounded AC 110V wall outlet.
3. Set "Charging Rate" to the "Automotive/Marine" setting. Set the "Battery Type" to the "GEL" setting.
4. When the charger reads "100%" as indicated by a "Green" light, unplug and then re-plug/reset the system to get the most accurate reading of the battery voltage and capacity. *

To Charge the **CHEST** CIC POWERBOX Using Speed Charger Supplied by CIC POWERBOX LLC

1. Connect and disconnect alligator-clamps only when smart-charger supply cord is disconnected and all POWERBOX switches (if any) are in the "OFF" position.
2. Clamp the positive (+) smart-charger alligator clamp to the positive (+) Anderson terminal and the negative (-) smart-charger alligator clamp to the negative (-) Anderson terminal.
3. **Make certain that the smart-charger alligator clamps are not in contact with the chassis of the POWERBOX**. The alligator clamps should ONLY be in contact with the respective Anderson connector terminals.
4. Connect charger to a properly grounded AC 115V wall outlet.
5. 3. Set "Charging Rate" to the "Automotive/Marine" setting. Set the "Battery Type" to the "GEL" setting.
6. 4. When the charger reads "100%" as indicated by a "Green" light, unplug and then re-plug/reset the system to get the most accurate reading of the battery voltage and capacity.*

*NOTE: The capacity of the internal POWERBOX battery is large enough to potentially force the speed charging system to provide a false reading of "100%". To verify the true state of charge, disconnect the charger from AC power and reboot the charge cycle as indicated above for a new reading. If reading is less than 100%, continue charging until true 100% is reached. To verify a "true state of charge," unplug the smart charger from the wall. Turn on the POWERBOX AC and plug the smart charging system into the POWERBOX AC extension cord. Wait for the charger to display the battery % to determine the true state of charge on your POWERBOX.

# INSTALLATION

**WARNING!**

The improper installation of a CIC POWERBOX product with any system can be dangerous, result in injury, death, property damage and/or the void of the manufacturer's warranty and should be handled with extreme caution.

In order to avoid the risks and hazards associated with improper installation, CIC POWERBOX LLC strongly recommends having a certified POWERBOX Technician install your CIC POWERBOX Product.

If you choose to install your CIC POWERBOX product on your own, please thoroughly read and adhere to all warnings, precautions and steps in the CIC POWERBOX LLC INSTALLATION MANUAL, as well as watch all installation videos, which can be found on our website www.cicpowerbox.com. If you have any questions or concerns about the installation of a CIC POWERBOX product, please call 802-468-7697.

# CARE AND MAINTENANCE

To maintain your POWERBOX in proper working condition, note the following important precautions:

## Operating Sounds:

As you become accustomed to the operations of your POWERBOX, please pay attention to and note the "normal operating sounds" of a properly operating POWERBOX (AC inverter starting up, air compressor properly charging, etc.). If you ever notice any deviation in the "normal operating sounds," please immediately halt any operations until the issue is discovered and resolved.

## Storage or Nonuse of the CIC POWERBOX Product:

If the POWERBOX is expected to remain unattended and out of use for an extended period of time, first make sure that the POWERBOX battery is charged to full capacity and that all switches are in the "OFF" position. If you have a Stereo inside your POWERBOX, please disconnect it also for any long-term storage. Do not allow your POWERBOX to sit for more than 90 days without charging the system to full capacity. Failing to maintain a proper storage level charge during storage or non-use may result in a shortening of the battery's life expectancy, complete battery failure and void of the manufacturer's warranty.

## Lid Latching Mechanisms:

The POWERBOX latching and locking mechanisms need to be lubed at the spring locations periodically. White Lithium Spray is recommended.

## Striker Adjustment Instructions:

The adjustable striker assembly may be adjusted horizontally or vertically by loosening the lock nuts and repositioning the striker bracket or striker pin as required. For best results, loosen only one lock nut at a time.

- For horizontal adjustment: Should be made first (if necessary).
- Loosen the lock nut at the top of the striker assembly.
- Move the striker bracket so the striker pin passes just to the left of the guide plate as the lid is closed. The striker pin should not make contact with the guide plate.
- Positioning the striker pin too far to the left will prevent the latch hook from closing fully.
- Re-tighten the lock nut.
- **For vertical adjustment:**
- Loosen the striker pin lock nut on the back side of the striker bracket.
- Move the striker pin up or down to achieve the desired lid tightness. Striker pin should be positioned to allow the lid to close just tight enough to seal against eh weather stripping. Moving Striker Pin too far down will make the lid difficult to close.
- Re-tighten the lock nut.

## MOISTURE & ENVIROMENT:

Keep the interior of the POWERBOX dry. Do not expose it to moisture. Do not operate the POWERBOX if you, the interior, the device being operated or any other surfaces that may come in contact with any power sources that may be wet. It is not recommended to store any liquids in the CIC POWERBOX. Water and many other liquids can conduct electricity which may lead to system failure, serious injury or death. Accidental Spills or inadvertent precipitation can cause complete failure of the POWERBOX power system and void the warranty.

A POWERBOX that has been exposed to harsh environmental conditions such as mud, dust, dirt, road salt, snow, freezing rain, ice and/or air bound chemicals should be washed and cleaned as soon as possible to curtail corrosion and stop the build up of materials in connector contact points and key lock openings. Failure to do so may cause problems with your POWERBOX and shall void the warranty. Some dust covers are available and may be purchased separately. Please contact CIC POWERRBOX with any concerns or questions you may have.

## HEAT & VENTILATION:

For peak efficiency, the ambient air temperature should be between 50 degrees and 80 degrees F. Avoid situating the POWERBOX in direct sunlight, near or under heating vents, radiators or other sources of heat. When possible position your vehicle to allow the open lid to reflect the direct sunlight from entering the chassis of the POWERBOX.

In order to disperse the heat generated while the POWERBOX is in operation, keep it well ventilated by leaving the POWERBOX lid open and by leaving the DC blower fan on. If operating the POWERBOX in extreme heat conditions, periodically turn off all switches except switch "2" and allow the DC blower fan to expel excess heat from the system in between uses. Avoid using the POWERBOX near flammable materials. Do not position the POWERBOX in areas where fumes or gases may accumulate.

# FEATURES DESCRIPTION & SPECIFICATIONS

## Keys & Locks:

Your POWERBOX product is supplied with a set of two keys. There are hundreds of different locks and key patterns to fit the locks. The Key Code for the key to fit the lock(s) for your POWERBOX product is stamped on the key and on the cover of the key entry slot of the lock. You will need this Key Code to obtain additional or replacement Keys. Write the Key Code in the space below for future reference.

The Locking mechanisms operate independently of each other and therefore, both mechanisms must be locked in order to secure your POWERBOX.

Serial PIN #_____ Key Code #_____

## AC 115 Volt Electrical Power System:

- Three position AC North American outlet power strip.
- Two AC North American Exterior outlets with spring loaded covers on crossover boxes.
- Six AC North American lighted outlet power strip on chest model POWERBOXes.
- GOBOXes have three AC North American outlets.
- 30' Retractable three position AC Extension Cord Reel with LED "ON" indicator.
- Short Circuit Protection. The inverter will shut down until the short is removed.
- Low Voltage Alarm. An audio alarm will sound when the voltage from the battery discharges to 10.5+/-0.5 volts DC. This is an indication that the battery needs to be recharged immediately and the system will have to be reset by turning OFF and then back ON again.
- Over Voltage Protection. The POWERBOX AC inverter will turn itself off when the input voltage exceeds 15.5+/-0.5 volts DC.
- Under Voltage Protection. The POWERBOX AC inverter will turn itself off when the input voltage is less than 10.0+/-0.5 volts DC.
- Overload Protection. The inverter will turn itself off when the continuous draw or the surge draw of the equipment being operated exceeds the maximum power rating for the POWERBOX AC inverter.
- Thermal Protection. The inverter will turn itself off when the internal temperature exceeds safe design parameters, which is approximately 140 degrees F.
- Cooling Fans are located inside the internal inverter system and will continue to run while the AC POWER switch # 1 is in the "ON" position, even if the AC POWER INVERTER has stopped supplying AC Power. The DC cooling fan in the bottom of the POWERBOX can be operated by turning on switch '# 2' as previously described.

## AC Low Battery Audio Alarm:

1. Low Battery Voltage Alarm/Shutdown Protection:
    a. When the input voltage from the 12 volt power source drops below 10.5 volts, an audible tone will be heard. This is the low battery voltage alarm.
    b. The inverter will automatically shut down when the input voltage drops below 10.5 volts.

    NOTE:
    The POWERBOX is equipped with multiple DC applications such as the lights (switch 3), the blower fan (switch 2) and the ROCKBOX application (switch 4) which WILL NOT shut off if the inverter is disengaged. Failure to turn these switches to the OFF position will result in the complete drain of the POWERBOX battery system and could result in the shortening of the battery's life expectancy, void of manufacturer's warranty and complete system failure.

In the event of automatic shut down or continuous audible alarm, turn the AC Electrical Power switch # 1 to the OFF position until the source of the related problem has been identified and resolved.

## 12 Volt DC Power System:

- 2,100 Cold Cranking Amps @ 12 Volts accessible through the mounted red Anderson Connector. Special 24 volt systems are available, contact CIC POWERBOX for more information on these units.
- 12 volt internal blower fan
- Two 12 volt, 2.5 watt flood lights
- 12 volt Media Connection
- 12 volt Digital Volt Meter
- Optional 12 volt DC power outlets or connectors may be added for separate power functions; i.e. law enforcement and construction flashing emergency lighting systems.

## Battery System:

- Voltage and charge rate:
    - 12 Volts C/10 to 1.80VPC @ 20°C (68°F)
    - 12 Volts C/8 to 1.75VPC @ 77°F (25°C)
- Terminal Torque
    - Nm/71 in-lb
- Float Voltage
    - 2.29VPC @ 20°C (68°F)
    - 2.27 VPC @ 77°F (25°C)
- AGM - NONSPILLABLE
- Operating Range: - 40 Degrees F to + 149 Degrees F

## Air Compressor System:

- 4CFM Oil-less AC Air compressor
- 125 PSI System with a 90 PSI Automatic Restart
- 3 Gallon non-rusting Built-in Reserve Air Tank on Crossover
- 2 Gallon non-rusting Built-in Reserve Air Tank on Chest
- 25' Retractable Air Hose reel rated at 225psi - 300psi max depending on model.
- Auxiliary Chuck/coupler on both models for additional air volume through a reserve tank
- Auxiliary Chuck/coupler is also used to expel water condensation from internal air tank.
- GOBOX is supplied with an AIR-ON-DEMAND system that has its own I/O switch.

## Aluminum Tool Box:

### Serial Number:

Your POWERBOX product's serial number is etched on the front interior of the box on the driver's side just below the lock assembly. For optimal support, you will need to provide this Serial Number to our POWERBOX technicians in the event of any inquiry. Write the Serial Number in the space below for future reference. GOBOX serial number located inside lid.

Serial PIN #_____ Key Code #_____

### Sliding Tray:

A plastic molded sliding tray is supplied for ease of access to stored tools and materials. (Supplied on full sized crossover tool box only.)

### Hardware:

Two J-Bolts are supplied for mounting your POWERBOX to your vehicle. (Crossover only)
One Metal Drill Screw is supplied to be used to attach the negative ground wire to the chassis of the vehicle to properly ground your POWERBOX to the vehicles electrical system.
The Chest model is supplied with two heavy duty L brackets with 3/8" holes that can be bolted down to your vehicle's bed. (Bolts are not included.)

### Cabling:

Twenty One feet (21') of 2 AWG heavy duty wire is supplied to be installed into your vehicle and connected to the Battery positive (+) terminal.

One 4' length of 2 AWG wire is supplied to act as your negative ground wire connection to the negative grounding bolt located at the bottom corner of the passenger's side of the vehicle and to the chassis of the vehicle with the metal drill screw supplied.

The CHEST POWERBOX model is internally grounded to the passenger side mounting L bracket. Grounding this L bracket properly to the bed/chassis will act as a proper ground for the system. If your truck bed is isolated from the electrical system of your truck, a negative ground wire will be required between the vehicle chassis and the passenger side mounted L bracket.

## Cabling Continued:

On some models a quick disconnect red Anderson Connector is being used and is mounted on the POWERBOX's chassis on the passenger's side of the vehicle. In this configuration, a 'pig tail' cable will be supplied that will have a mating Anderson connector to mate with the connector on the POWERBOX, along with the proper lengths of 2 AWG cables to make connections to the battery positive (+) and negative (-) directly or to the battery (+) and the negative (-) chassis of the vehicle.

## Foam Padding:

Two foam pads with self-adhesive tape are supplied to mount under the saddle box mounting areas on the bed rails on the crossover POWERBOX only.

## Security:

The Crossover POWERBOX features a 1500 lbs high strength steel alloy dual-locking security lid that is designed to keep your tools safe and secure from theft.

## Built-in Smart Charger:

On the full sized crossover POWERBOX a 15 Amp Smart 12 Volt DC Charger (may be 12 amps on some models) is built-in to the POWERBOX to allow for a separate ability to charge the POWERBOX battery system from the normal AC Power Grid through an electrical 115 V AC outlet in your home or garage. The charger display can also provide the user with a percent (% ) reading of state of charge, or termed as the percent (%) of battery capacity remaining the battery system , a fuel gauge of sorts.

The charger display can also provide the voltage of the system, which should indicate a voltage between 10.5 volts DC and 12.8 volts DC. If the vehicle motor is running and the alternator system is operating properly, the display will provide readings of 13 volts or more, indicating that the vehicle alternator charging system is working properly.

## Fusible Link

A fusible electrical cable link is supplied and is to be connected between the battery positive (+) terminal and the positive (+) cable coming from the POWERBOX. This fusible link is designed to sever and cut electrical power between the vehicle and the POWERBOX in an emergency or system failure event.

# SWITCH PANEL GENERAL CONTROLS AND FUNCTIONS

## POWERBOX SWITCH PANEL:

- For AC Electrical Power, press and turn "ON" switch "1" (as indicated by the AC electrical outlet icon). Wait 5 seconds before operation.
- For Compressed Air Power, turn "ON" AC Electrical Power as described above and then turn "ON" switch "2" (the air compressor icon).
- For lights, turn "ON" switch "3" (as indicated by the lightbulb icon).
- For stereo, turn "ON" switch "4" (as indicated by the treble cleft icon).
- If the stereo does not activate, make sure the stereo head unit is in the "POWER ON" mode or use remote control if available and turn "ON".
- To verify the voltage and capacity of the internal POWERBOX Battery, press and turn "ON" switch "5" only (as indicated by the battery icon, or switch "4" on some models). For the most accurate reading, make sure all other switches are "OFF" and your vehicle is disengaged (OFF).
- To verify truck charging system, start vehicle and look for a DVM voltage near 13 volts or more.
- GOBOX has one power switch. Position I turns on AC Power and USB. Position II turns on USB.

# TROUBLE SHOOTING / FAQ'S

## How many AMPs can my POWERBOX provide?

The POWERBOX can supply an initial amp surge of approximately 25 amps but can only supply a max continuous amp load of 17-18 amps. Running the AC power continuously at maximum load can overheat the POWERBOX and potentially cause the internal power system to trip and shut off. It may be necessary to keep your vehicle running while you are attempting to run a particularly high amperage tool with the POWERBOX.

## Why won't the POWERBOX provide AC power?

If the POWERBOX stops supplying AC power, first check the battery percentage on the DVM. If the battery is low, immediately begin recharging the POWERBOX.

## Still No AC Power?

If the POWERBOX will still not supply AC power when the system is charged, turn switch "1" to the "OFF" position and wait 60 seconds for the system to reset before turning switch "1" back on.

If the system won't supply AC power after it has been reset, it is possible that the internal inverting system is overheated. Turn all switches to the "OFF" position except switch "2" which will allow the DC fan to begin cooling the system. Depending on the ambient temperature of the environment in which the POWERBOX is being used, allow the POWERBOX to cool down for 10-15 minutes before trying to operate the AC power again.

## How do I cool the POWERBOX while I work?

Always be aware of external factors that could potentially heat your POWERBOX. If possible, position the POWERBOX out of the sun and away from any heat sources. Leave the lid open to help vent any additional heat.

Be aware of any potential obstructions that could block the DC fan vent located on the passenger's side at the base of the POWERBOX across from the Air Hose Reel. If any obstruction exists, remove it before using the POWERBOX.

If you are using Air power, the dc fan will automatically be running to cool the system while you work. Do not run the air compressor for more than 10 consecutive minutes to avoid overheating the system.

If you are using AC power, charge the air compressor to a full 125 psi before you begin working. This will allow you to leave the DC fan (switch 2) on to continually cool the system while you work.

To cool the POWERBOX in between working sessions, turn all switches to the "OFF" position except switch "2" which will allow the DC fan to begin cooling the system. The DC fan can be left on to continually cool the POWERBOX even while the vehicle is being driven.

## AIR: (For operating instructions see previous section.)

## Why is the Air Compressor not running?

Make sure that switch "1" and "2" are in the "OFF" position. Check the battery percentage on the DVM as previously described. If the battery is low, immediately begin recharging the POWERBOX as previously described.

## Why is Air Compressor still not running?

If the air compressor pump fails to operate, turn "OFF" all switches and try again. If failure persists, drain all compressed air from the system by pulling on the pop off valve ring on the hose reel assembly until the pressure gauge reads 0 psi and make sure that the Pop-Out electrical circuit breaker button is pushed in, (circuit breaker located on floor of box under hose reel assembly).

Try to start the air compressor again. If failure persist, please contact CIC POWERBOX for further instructions.

## Why won't the air system gain pressure?

Listen and check to make sure there are no leaks and that all attachments are properly secured. If there do not appear to be any leaks and the compressor will still not gain pressure, it is likely that an internal hose has become disconnected. Call CIC POWERBOX for more information.

## Air Compressor system isn't providing 125psi through retractable air hose for tool operation.

The CIC POWERBOX air compressor system has a pressure regulator valve assembly on the hose reel. If the CIC POWERBOX is not providing the max air pressure through the system, check to make sure that the air regulator dial is set to "MAX." This is when the "MAX" indicator is running parallel with the brass assembly.

## How do I discharge condensation/water from my air compressor system?

If possible, park the vehicle on a parallel incline so that the passenger side of the vehicle is sloping downward. This will let any moisture in the air tank system pool to the passenger side of the POWERBOX. Turn on the AC Power and the Air Compressor system and charge the air compressor system to a full 125 psi. After the compressor has finished its cycle, turn switch "1" and "2" to the "OFF" position, insert a relief valve into the auxiliary air chuck and open the valve, thus releasing and discharging any water from the system. Please do this periodically to ensure that no water will be introduced to the retractable hose reel and contaminate your air tools.

## POWERBOX automatic electrical system won't disconnect from the vehicle:

If the POWERBOX remains connected to the vehicle when the key is off, the risk of draining the vehicle's battery exists. Draining your POWERBOX while it is connected to the vehicle will also drain the vehicle's battery.

If the POWERBOX will not disconnect from the vehicle when the key is off, it is likely that the POWERBOX was installed incorrectly. Please call your installer or refer back to the INSTALLATION MANUAL.

## POWERBOX Battery has been deeply discharged?

If the POWERBOX battery has been deeply discharged, you must immediately attempt to recharge the battery. Start your vehicle and verify that the POWERBOX battery system is connected to the vehicle charging system by turning "ON" and viewing the Digital Volt Meter and verifying a proper charge voltage. If the vehicle cannot be operated, then plug in the built-in smart charger to an AC wall outlet and attempt to charge the battery. If the voltage of the battery is 10.5 volts or lower, the smart charger may have difficulty in recovering the battery properly. Please monitor the battery carefully during this period to ensure a proper recovery of the battery back to a full state of 100% charge. Discharging the battery to this level may void the warranty.

## POWERBOX isn't charging while the vehicle motor is operating:

If, for any reason the POWERBOX is not charging properly, please call CIC POWERBOX or visit www.cicpowerbox.com. If you had your POWERBOX professionally installed, call your installer.

If you installed your POWERBOX yourself, please refer back to the INSTALLATION MANUAL.

To check the connection between your POWERBOX and vehicle, first make sure that your vehicle is off and all POWERBOX switches are in the "OFF" position.
Turn switch 5 (DVM /Battery Gauge) to the "ON" position. Depending on the charge level of your POWERBOX, the battery gauge should read no more than 13v (full battery charge).
Start the vehicle. If the POWERBOX is correctly connected to your vehicle, the DVM should begin increasing in voltage.

NOTE: You can also check the battery percentage and voltage of the POWERBOX by using the built-in smart charging system. For the most accurate reading, turn all POWERBOX switches to the "OFF" position. Turn the AC switch "1" to the "ON" position. Plug the smart-charging system into one of the POWERBOX AC outlets. The smart-charger will initiate and display the corresponding battery charge and voltage. If the POWERBOX is correctly connected to your vehicle, the smart-charger display will begin increasing in voltage to read 13v-14v.

NOTE: If your CIC POWERBOX Product is a 1$^{ST}$ Generation 4-switch POWERBOX, you must use the latter method employing the smart-charging system in order to check the POWERBOX battery state as well as check the connection between the POWERBOX and the vehicle.

If the DVM (or smart charger display) does not show an increase in voltage after starting the vehicle, it is likely that the sensory wire is not making a good connection to the vehicle. To check for this issue, turn the vehicle off and open the fuse box. Look for the blue or green sensory wire. The sensory wire should be securely inserted in an appropriate fuse outlet (see INSTALATION MANUAL) or properly crimped to a fuse extension. If the sensory wire has become disconnected, securely reconnect the sensory wire to the appropriate fuse (See INSTALLATION MANUAL) or contact your installer.

If the sensory wire is properly connected, check the respective fuse and make sure it is still good. If the fuse is bad, replace the fuse before re-testing the connection.

## POWERBOX Smart-Charging System is Providing False Readings:

The capacity of the internal POWERBOX battery is large enough to potentially force the speed charging system to provide a false reading of "100%", to verify the true state of charge, disconnect the charger from the AC power and reboot the charge cycle for a new reading. If the reading is less than "100%", continue the charge/reboot cycle until a true "100%" is reached.

# ROCKBOX STEREO SYSTEM WITH WEATHERBAND:

## ROCKBOX won't turn "ON" when the media switch is in the "ON" Position?

Make sure the Media switch is in the "ON" position and then press and hold the "Power" button on the ROCKBOX Stereo Head/Face.

If the ROCKBOX still doesn't turn on, with switch "4" and the stereo head "ON"
use a small pointed tool (like a toothpick) to press and hold the reset button (found on the bottom left of the stereo head) down for 10 seconds to reset the system.
Also attempt using the ROCKBOX stereo remote control unit for power on and off.

## ROCKBOX Antenna Won't Retract?

Make sure that the Media switch is in the "OFF" position. If the antenna still will not retract, turn the Media switch back "ON," and press and hold down the "Power" button on the ROCKBOX Stereo Head. If the antenna still does not retract, use a small pointed tool (like a toothpick) to press and hold the reset button (found on the bottom left of the stereo head) down for 10 seconds to reset the system.

**If the antenna will still not retract, with a minimum amount of force carefully depress the top of the antenna mast downward to reverse telescope it into its retracted position, enough to shut the POWERBOX lid and then immediately contact CIC POWERBOX. Do this only as a last resort to allow you to close and secure your POWERBOX lid. If done carefully, this should cause no damage to the ROCKBOX or antenna.**

## POWERBOX work/flood lights look dim?

If the POWERBOX flood lights look dim, please check the state of charge in your POWERBOX battery system. Dim lights could be an indicator of a low or improperly charged battery system.

If you start your vehicle and the lights become noticeably brighter, this is an indication that your POWERBOX is properly connected to your vehicle's electrical system and is providing a higher voltage to your POWERBOX in its attempt to charge the POWERBOX battery system and thus in doing so, the lights appear brighter. Please continue to charge your POWERBOX battery system back to a state of full charge.

If you cannot start or operate your vehicle, then please plug in your built-in smart charger or a separate smart charger to an AC wall outlet and hook up the charging cables to the booster cable connector on the POWERBOX. The smart charger will initially read the voltage of the POWERBOX battery system and begin charging it. Please recharge your battery system back to a 100% state of charge.

# CIC POWERBOX WARRANTY

**Please Read the Following Carefully:**

5

CIC POWERBOX LLC, nor their distributors, make no warranty or representation that the purchaser is qualified to make any replacements or repairs to the product. The manufacturer and/or distributor explicitly states that all parts replacements and/or repairs should be handled by certified technicians only. The purchaser assumes all risk and liability occurring from his or her repairs and/or removal and installation of replacement parts to the original product.

WARNING: Dismantling, Modifying, Drilling or Cutting into the CIC POWERBOX will result in the immediate **VOID** of the manufacturer's warranty and could result in FIRE, EXPLOSION, PROPERTY DAMAGE, PERSONAL INJURY, or DEATH.

CIC POWERBOX LLC has limited WARRANTY'S on all products manufactured against defects in materials and workmanship for a period of 90 days from the date of original retail purchase.

CIC POWERBOX provides a 1 year limited and prorated warranty on its internal Battery. The Battery's expected life is 5 years in the field, but the warranty covers replacement of the battery up to 1 year on a prorated basis as long as the battery has been cared for and kept properly charged over its life expectancy as described in the owner's manual. Warranty shall not cover any battery that has been depleted of its state of charge to 0% or near 0%, during any stage of its life, causing total battery failure and loss of ability to recover capacity. This non-coverage also relates to any long-term storage of the battery system without providing any charge or normal required maintenance during the storage period.

These warranties are subject to the customer's compliance with the proper installation and hookup of the POWERBOX in or on a vehicle and the proper operating and functional use of the CIC POWERBOX products as outlined in the installation manual, recommendations labels and other documentation. Warranty covers normal wear as may be expected over time. Any damage to the POWERBOX, including dents, cuts, punctures, holes, or indications of misuse or abuse shall void the warranty.

If the internal chassis of the POWERBOX is opened or breeched in any way, warranty is void. Warranty does not include cost of normal maintenance as may be required for minor mechanical adjustments, leaking clamps, and installation adjustments. Warranty is not transferable. All warranty expenses for dis-installation, return, and re-installation are at consumers' cost. Warranty shall include all labor for replacement and repair of materials that fall under warranty.

Warranty does not cover failures due to any act of God or other force majeure events beyond the manufacturer's control.

Please see additional warranty information located on the website at www.cicpowerbox.com .

Contact CIC POWERBOX, LLC for any specific need you may have at 802-468-7697 or write us at the address shown below or contact us via email through our website www.cicpowerbox.com