



GRIOT'S GARAGE BATTERY MANAGER III

Thank you for choosing this fine product from GRIOT'S GARAGE. The **BATTERY MANAGER III** is designed to maintain charge on 12 volt batteries lead acid, WET, MF, AGM as well as most other GEL batteries.. The housing is made from a waterproof material, making ideal for outdoor use. The cord management system allows the **BATTERY MANAGER III** to be stored away with minimal space. The magnetic base allows the **BATTERY MANAGER III** to be attached to any steel surface. A built-in electrical detector prevents sparks during DC clips connecting. Enjoy the best!

USEFUL INFORMATION

Before connection the **BATTERY MANAGER III** you should turn off any lights, or other 12 volt accessories that are connected to your vehicle's electrical system. Identify the polarity of the battery, the POSITIVE (POS, P, +) terminal and the NEGATIVE (NEG, N, -) terminal. Check which battery terminal is grounded (connected to chassis). The negative terminal is usually the grounded post.

For a negative-grounded vehicle, connect the POSITIVE (RED) clip of the battery charger to the POSITIVE (POS, P, +) ungrounded post of battery and then connect the NEGATIVE (BLACK) clip to a heavy-gauge metal part of the frame or to the engine block away from the battery. Do not connect the clip to the carburetor, fuel lines, or sheet-metal body parts. Stay clear of fan blades, belts, pulleys, and other parts that can cause injury to persons.

For a positive-grounded vehicle, connect the NEGATIVE (BLACK) clip of the battery charger to the NEGATIVE (NEG, N, -) ungrounded post of battery and then connect the POSITIVE (RED) clip to a heavy-gauge metal part of the frame or to the engine block. Do not connect clip to carburetor, fuel lines, or sheet-metal body parts. Do not connect the clip to the carburetor, fuel lines, or sheet-metal body parts. Stay clear of fan blades, belts, pulleys, and other parts that can cause injury to persons.

Plug the **BATTERY MANAGER III** AC power cord into a standard AC wall outlet. All the LEDs will scroll in sequence. Use mode switch to set suitable maximum charging current (car mode or motorcycle mode). Use the COLD mode switch to help compensate for cold weather conditions. This will provide extra charging voltage. The Charging LED will now blink which means charging is in process. The **BATTERY MANAGER III** can detect battery voltage and recharge battery frequently and automatically. When the vehicle's battery is fully charged the charging LED will remain on.

INTERNAL CHARGING STEPS

The **BATTERY MANAGER III** runs through six different maintenance steps during the charging cycle to test and monitor the condition of the battery. This helps to provide the correct charge rate for the specific battery type for optimal performance.

- 1.) The Desulphation step provides a pulse charging to help break down lead sulphate crystals that form on the battery cells to extend the battery life cycle.
- 2.) The Soft Start step provides a small amount of electrical current for checking the battery condition and construction configuration.
- 3.) Bulk mode is the main charging step that provides most of the energy. The **BATTERY MANAGER III** provides the maximum power output to speed up charging.
- 4.) Absorption mode is when terminal voltage is maintained at the original charge level. During this phase the electrical current drops little by little as the battery reaches its full charge potential. The battery usually reaches its 100% charge rate during this step.
- 5.) Analysis phase is when the **BATTERY MANAGER III** tests the charge potential of the battery.
- 6.) Float mode is when the **BATTERY MANAGER III** maintains the fully charged battery.



TROUBLE SHOOTING

This section will help you identify the source of most problems that can occur with the **BATTERY MANAGER III**. If you have a problem with the charger, please review this section before contacting GRIOT'S GARAGE.

Situation	Possible cause and solution
There is no scrolling of LED's when BATTERY MANAGER III is connected to AC power.	No AC power at wall outlet or AC voltage is too low. Ensure power is present at outlet.
Charging LED off CAR or Motorcycle LED is ON	DC Output short, Polarity reverse, or DC clips not connected properly, or non-12V battery is being charged. Check the battery rated voltage and polarity, remove the clips and correct, then try again
Select the COLD or MODE switch and the BATTERY MANAGER III doesn't respond	Click and release of switch too quickly. Press and hold the switch button for a minimum of 0.2 seconds and release it.
Fault LED blinking	Battery has a very low level of voltage or is bad. Please recharge again and if the situation reoccurs it means the battery is bad. Please replace with a new battery.

CAUTION:

This **BATTERY MANAGER III** is designed to maintain charge on 12 volt, lead acid batteries, WET, MF, AGM as well as most GEL batteries. Do not use it to charge other kinds of batteries or for any other purpose. In order to reduce risk of damage to electrical plug and cord, pull from plug rather than cord when disconnecting the **BATTERY MANAGER III**. Examine the **BATTERY MANAGER III** regularly for damage, especially the cord, plug and enclosure. If the **BATTERY MANAGER III** is damaged, it must not be used until it has been repaired or replaced. Do not disassemble the **BATTERY MANAGER III**. Batteries may emit explosive gases during normal battery operation. Therefore it is very important that you read this guide and follow instructions as well as recommended rates of charge published by battery manufacturer exactly before using a battery charger.

Never smoke or allow a spark or flame in the vicinity of battery. Never charge a frozen battery. Never charge a damaged battery. Never place the **BATTERY MANAGER III** above a battery being charged; gases emitted from battery may corrode and damage the charger. Always wear complete eye protection and clothing protection. Avoid touching eyes while working near a battery. If battery acid contacts skin or clothing, wash immediately with soap and plenty of water and seek medical attention immediately. If acid enters eye, immediately flood eye with running water for at least 10 minutes and get medical attention immediately. Make sure of good ventilation when battery is being charged. Never operate the **BATTERY MANAGER III** in an enclosed area or when covered. Even though the **BATTERY MANAGER III** prevents sparks during connection, we still recommend you to connect and disconnect the DC cable after removing the AC cord from the wall outlet to reduce the risk of spark. Failure to follow these safety guidelines may cause personal injury and/or damage to the **BATTERY MANAGER III**. It may also void your product warranty.



DISCLAIMER

GRIOT'S GARAGE is not responsible for any misuse of the **BATTERY MANAGER III** for any injury or damage incurred to any person or object related to the **BATTERY MANAGER III**.

ANSWERS TO YOUR QUESTIONS

Should you want to order another **BATTERY MANAGER III** or for a complete selection of quality GRIOT'S GARAGE products, please write or call us toll-free at 800-345-5789. Visit our website at: www.griotsgarage.com. Reorder item number 92203

Have fun in your garage!®

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