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> Mictuning MIC-CBC-005-1 Battery Charger User Manual

Mictuning S212750

Mictuning MIC-CBC-005-1 Battery Charger User Manual

MODEL: S212750

Introduction

This manual provides detailed instructions for the safe and efficient use of your Mictuning MIC-CBC-005-1 Battery Charger. This charger is designed for maintaining and charging 6V and 12V batteries found in various vehicles and equipment, including boats, cars, motorcycles, UTVs, PWC's, and RVs. Please read this manual thoroughly before operation to ensure proper use and to prevent damage or injury.

Key Features

- Built-in safety for overload and short-circuit protection.
- Spark-free technology and separate cables ensure fast and safe charging.
- Easy to use.



Image: Mictuning MIC-CBC-005-1 Battery Charger unit, showing its compact design and connection cables.

Safety Information

Always observe the following safety precautions to prevent personal injury or damage to the charger or battery:

- **Read all instructions:** Before using the charger, read all instructions and cautionary markings on the charger, the battery, and the product using the battery.
- **Ventilation:** Ensure adequate ventilation during charging. Batteries can produce explosive gases.
- **Eye Protection:** Always wear eye protection when working with batteries.
- **Electrical Shock:** Do not expose the charger to rain or wet conditions. Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged.
- **Connection:** Connect and disconnect DC output clips only after setting any charger switches to the "off" position (if applicable) and removing the AC cord from the electrical outlet.
- **Children:** Keep out of reach of children.
- **Flammable Materials:** Do not charge near flammable materials.
- **Battery Type:** This charger is designed for lead-acid batteries (WET, MF, CA, EFB, GEL, AGM). Do not use for charging dry-cell batteries that are commonly used with home appliances. These batteries may burst and cause injury to persons and damage to property.

Package Contents

Verify that all items are present in the package:

- Mictuning MIC-CBC-005-1 Battery Charger Unit
- Alligator Clip Connectors
- Ring Terminal Connectors
- User Manual

Setup

Follow these steps to set up your battery charger:

1. **Unpack:** Carefully remove the battery charger and all accessories from the packaging.
2. **Inspect:** Check the charger and cables for any signs of damage. Do not use if damaged.
3. **Connect to Battery:**
 - Ensure the charger is unplugged from the AC power outlet.
 - For negative-grounded vehicles, connect the RED (+) charger clip to the positive (+) battery terminal. Then connect the BLACK (-) charger clip to the vehicle chassis or engine block, away from the battery.
 - For positive-grounded vehicles, connect the BLACK (-) charger clip to the negative (-) battery terminal. Then connect the RED (+) charger clip to the vehicle chassis or engine block, away from the battery.
 - Alternatively, use the ring terminal connectors for a more permanent connection to the battery terminals.
4. **Connect to Power:** Plug the charger's AC power cord into a standard electrical outlet.

Operating Instructions

Once the charger is set up, follow these steps for operation:

1. **Initiate Charging:** Once connected to the battery and power, the charger will automatically begin the charging process. The charger features smart charging technology to optimize the charge cycle for 6V or 12V batteries.
2. **Monitor Charging:** Observe the indicator lights on the charger. These lights typically indicate charging status (e.g., charging, fully charged, error). Refer to the charger's specific LED indicators for detailed status.
3. **Automatic Maintenance:** This charger is designed to automatically switch to a maintenance mode once the battery is fully charged, preventing overcharging and keeping the battery at an optimal level.
4. **Disconnecting:**
 - First, unplug the charger from the AC power outlet.
 - Then, disconnect the charger clips or ring terminals from the battery.
 - Store the charger in a dry, safe place.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your charger:

- **Cleaning:** Clean the charger casing with a soft, dry cloth. Do not use solvents or abrasive cleaners.
- **Cable Inspection:** Regularly inspect the charging cables and connectors for any signs of wear, cuts, or damage. Replace if necessary.
- **Storage:** Store the charger in a cool, dry place when not in use. Keep it away from direct sunlight, moisture, and extreme temperatures.
- **Battery Terminals:** Ensure battery terminals are clean and free of corrosion for optimal connection.

Troubleshooting

If you encounter issues with your charger, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Charger not turning on / No indicator lights	No AC power; Faulty connection; Charger malfunction.	Check AC outlet and power cord connection. Ensure clips are securely connected to battery terminals. If problem persists, contact support.
Battery not charging	Incorrect battery connection; Battery is severely discharged or faulty.	Recheck battery connections (polarity). Ensure battery is not completely dead (below minimum voltage for charger to detect).
Charger indicates error	Reverse polarity; Short circuit; Overheating.	Disconnect and re-connect clips with correct polarity. Check for short circuits in cables or battery. Allow charger to cool down if it feels hot.
Charger gets warm during operation	Normal operation; Poor ventilation.	Some warmth is normal. Ensure charger is in a well-ventilated area and not covered.

Specifications

Technical specifications for the Mictuning MIC-CBC-005-1 Battery Charger:

Brand	Mictuning (Manufacturer: SACIM Distribution)
Model Number	S212750
Output Voltage	6V / 12V DC
Output Current	750 mA
Product Dimensions	16.51 x 8.89 x 11.43 cm
Product Weight	100 g
ASIN	B0050J7WH0
GTIN	03528702061084

Warranty and Support

Warranty Information: Specific warranty details are typically provided with your purchase documentation

or can be obtained directly from the manufacturer. Please retain your proof of purchase for warranty claims.

Customer Support: For technical assistance, troubleshooting, or warranty inquiries, please contact SACIM Distribution, the manufacturer, or your point of purchase.

Manufacturer: SACIM Distribution

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