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MarCum M1

MarCum M1 Flasher System User Manual

Model: M1
Brand: MarCum

1. Introduction

The MarCum M1 Flasher System is a high-performance ice fishing flasher designed to provide real-time, accurate underwater visibility. It features a true color patented MBC brushless lighting display, 1000 watts peak to peak output power, and a 20-degree ice transducer. The M1 offers selectable depth ranges up to 160 feet and includes a patented multiple-step interference rejection system to ensure clear readings even in crowded fishing environments. This manual provides essential information for setting up, operating, and maintaining your M1 Flasher System.

2. Safety Information

Please read all safety information carefully before using the MarCum M1 Flasher System.

- Do not immerse the battery in water or sea water.
- Keep the battery in a cool, dry place when not in use.
- Do not use or leave the battery near a heat source (i.e., heater, fire).
- Use the battery charger only as directed when recharging.
- Do not reverse the positive and negative terminals on the battery connections.
- Do not discard the battery in a fire, furnace, or other combustible space.
- Do not connect the battery directly to an electrical outlet.
- Do not short-circuit the battery by directly connecting the positive and negative terminals with metal objects.
- Do not directly solder the battery or pierce the battery with a nail or other sharp objects.
- If the battery gives off an odor, generates heat, becomes discolored, or in any way appears abnormal during use, or while charging or discharging, immediately stop using it.
- If the battery leaks and the battery contents (electrolyte) get into an eye, do not rub the eye. Instead, flush the eye(s) with clean water and immediately seek medical attention or it may result in injury to the eye(s).
- Do not use the battery in a location where static electricity or magnetic fields are great or it may result in damage to the battery safety devices.
- Do not leave the battery in high temperatures (i.e., in direct sunlight or in extremely hot weather) or it may overheat, and its performance will be degraded, and service life decreased.
- Tape the battery terminals prior to disposal to insulate them as discarded batteries may cause fire or explosion.

3. Setup

3.1 Unpacking and Components

Your MarCum M1 Flasher System includes the following components:

- M1 Flasher System Unit
- Rechargeable 12-volt 7-amp Battery
- Deluxe Padded Red Soft Pack
- 3-Stage Automatic Battery Charger
- 20-degree Ice Transducer



Figure 1: MarCum M1 Flasher System in its protective soft pack. The main unit with its circular display and control knobs is visible, along with the transducer.

3.2 Battery Charging

Before initial use, fully charge the 12-volt 7-amp battery using the provided 3-stage automatic battery charger. Connect

the charger to the battery terminals, ensuring correct polarity (red to positive, black to negative). The charger will indicate when charging is complete.

3.3 Assembling the System

1. Place the M1 Flasher System unit securely into the Deluxe Padded Red Soft Pack.
2. Connect the transducer cable to the appropriate port on the M1 unit.
3. Ensure all connections are firm and secure.

4. Operating Your M1 Flasher System

4.1 Controls Overview

The M1 Flasher System features intuitive controls for easy operation:

- **GAIN Knob:** Adjusts the sensitivity of the sonar to match conditions, allowing you to pick up weaker signals or reduce clutter.
- **IR (Interference Rejection) Button:** Activates the patented 6-level interference rejection system, suppressing interference from other nearby sonar units.
- **ZM (Bottom Lock Zoom) Button:** Engages the zoom feature, providing a magnified view of the bottom 5 feet (in 20-ft and 40-ft scales), 10 feet (in 80-ft scale), or 20 feet (in 160-ft scale) for detailed target separation.
- **Power/RANGE Knob:** Turns the unit on/off and selects between four depth settings: 20', 40', 80', and 160' feet.

4.2 Understanding the Display

The M1's true color patented MBC brushless lighting display provides a real-time, dazzling view of the underwater world. Different colors indicate signal strength:

- **Red:** Strongest signal, typically indicating the bottom or a large fish.
- **Orange/Yellow:** Medium strength signal.
- **Green:** Weakest signal, often indicating smaller fish or suspended bait.

The display shows the water surface, suspended bait fish, your lure in the strike zone, and fish responding to it, all in real-time. For a visual demonstration of the M1's advanced sonar features and fishability, please watch the official product video below:

▶ **Watch video online**
M1 Product VIdeo

Video: M1 Product Video by MarCum Technologies. This video demonstrates the M1 Flasher System's features, including its display of the water column, suspended bait, lure, and fish responses.

5. Maintenance

5.1 Cleaning

After each use, wipe down the unit and transducer with a soft, damp cloth. Ensure all components are dry before storing. Do not use abrasive cleaners or solvents.

5.2 Battery Care

To maximize battery life, fully charge the battery after each use and before long-term storage. Store the battery in a cool, dry place. Refer to the Safety Information section for important battery handling precautions.

5.3 Storage

Store the M1 Flasher System in its soft pack in a dry, temperature-controlled environment when not in use. Avoid extreme temperatures and direct sunlight.

6. Troubleshooting

If you encounter issues with your M1 Flasher System, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Battery is not charged or not connected.	Ensure battery is fully charged and properly connected to the unit.
Display is dim or hard to read.	Low battery, excessive glare, or GAIN setting too low.	Charge battery. Adjust unit position to reduce glare. Increase GAIN setting.
Excessive interference on display.	Interference from other sonar units.	Press the IR (Interference Rejection) button to cycle through rejection levels until interference is minimized.
No readings on display.	Transducer not submerged or not connected.	Ensure transducer is fully submerged in water and securely connected to the unit. Check GAIN setting.

7. Specifications

Feature	Detail
Brand	MarCum
Model Name	M1 Flasher System
Power Source	Battery Powered (Rechargeable 12-volt 7-amp Battery)
Screen Size	2 Inches (Display Area)
Display Type	True Color Patented MBC Brushless Lighting Display
Peak-to-Peak Output Power	1000 Watts
Transducer	20-degree Ice Transducer
Maximum Measuring Depth	160 Feet
Interference Rejection	Patented Multiple Step Interference Rejection
Depth Ranges	20', 40', 80', 160'
Item Weight	9 Pounds
Color	Black/Red
UPC	857224002712

8. Warranty and Support

8.1 Warranty Information

The MarCum M1 Flasher System comes with a**Two Year System Warranty**. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, refer to the documentation included with your product or visit the official MarCum website.

8.2 Customer Support

For further assistance, technical support, or service inquiries, please contact MarCum Technologies customer service. You can typically find contact information on the official MarCum website or within the product packaging.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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