Battery Options

Lead Acid (M1)

Your MarCum Flasher comes equipped with a 12-volt 7-amp Lead Acid battery. Average run times will be between 12 and 15 hours. Weight of the battery is around 6 pounds. All you need to do is hook up the positive and negative leads from the power cord to the battery.
*Estimated run time: 30 hours (M1).

LiFePO4 (L-Series)

Our most powerful and precise True Time® sonar engine now comes with the lightest, longest lasting, and fastest charging power source. Reduction in weight along with increased run times and faster recharge rates means you'll spend more time fishing and less time re-powering. The L-Series comes equipped with a 12-volt 10-amp LiFePO4 battery weighing less than 3 pounds. *Estimated run times: 50 hours (M3L), and 36 hours (M5L).

LITHIUM SHUTTLE (Li-Series)

Add the long-life power of Lithium ION to your sonar units. Compact, lightweight and long-lasting, the Lithium Shuttle, powered by a 12-volt 12-amp hour Lithium ION polymer battery, can extend your unit's continuous run time. Equipped with a LED light, battery status indicator, dual USB power ports, dual rod holders, and four 1/4 - 20 Ports for Additional Accessories. *Estimated run times: 60 hours (M3Li), and 43 hours (M5Li).

Warranty

TWO-YEAR WARRANTY

MarCum warranties this product to be free from defects in materials and workmanship for two years from the date of purchase. The warranty of the battery may differ from the system warranty, see website for details. This warranty applies to customers who properly complete the Online product registration form found on the MarCum Technologies Website: **www.MarCumTech.com**

Service

If your unit is malfunctioning, check the support section of our website. You may find that the solution to your problem is something you can resolve yourself. If you need to send it in, there is no need to contact our office. Getting repairs made is as simple as going to our website, Www.MarCumTech.com clicking the support tab and then filling out the MarCum Warranty claim.

MarCum User Manuals are available for download from **www.MarCumTech.com**
Les manuals d'utilisation de MarCum sont disponibles en téléchargement sur **www.MarCumTech.com**
*Actual run times may vary depending on conditions.
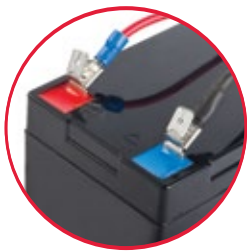22-1012-80030   2020-0501

MarCum TECHNOLOGIES

M-Series
3-Color Ice-Sonar

Quick Start Guide

Connect Power

Your MarCum Flasher comes virtually ready to fish. All you need to do is hook up the positive and negative leads from the power cord to the battery. To access the battery, open the battery access door at the rear of the unit. Connect the red wire to the red terminal and the black wire to the black terminal on the battery.

Deploy the Transducer

When used in conjunction with the retractable pivoting transducer arm and rubber stopper, the transducer will automatically level itself in your ice hole. To begin operation, take the transducer out of the recessed holder, and rotate the adjustable ice arm out from inside the shuttle. Extend the transducer arm, (the cable should already be threaded through it with stopper in place) and deploy the transducer into the water.

Power up the system

The Range select knob is used for turning the unit on or off, as well as choosing the correct depth range. The Flasher offers four depth ranges to choose from that can be selected by rotating the knob clockwise. The depth ranges are 20, 40, 80, or 160 feet. The depth-range setting is determined by turning the unit on and turning the Gain knob looking for a solid return (band of light) indicating bottom on the display.

Adjust the Gain

The best Gain setting is achieved by turning up your Gain from 0 until you receive a clear and steady bottom reading. If you're looking for your lure or bait, turn up the gain until you just begin to display your bait without it fading or flickering on the screen. The lower the sensitivity, the narrower the display segments, the easier it is to distinguish targets.

Bottom Return

Hard-bottom readings (rock or gravel) will be displayed by a wide band of RED light indicating a strong signal. Conversely, a soft bottom (mud or silt) will return a weaker signal and will result in a narrower RED band or even a combined RED and GREEN band. A soft bottom with weed growth will often appear as a narrow RED or GREEN band combined with both solid and broken YELLOW segments indicating weeds.

Jig Return

The Flasher will pick up and display small objects like jigs, split shot, or swivels. When tuning the unit to display your lure or bait, lower the object to the desired depth and turn up the GAIN until you see the jig on the display. It is important that the GAIN be set so it displays the jig as you raise or lower it.

Zoom Function

When the ZM key is depressed, the circular display is divided in half. The right half of the display (12 to 6 o'clock on the dial) will become the entire depth range you chose when turning the depth range knob. The left side of the display is the Zoom window portion. If the unit will not go into zoom mode, turn the GAIN up to 10. Once Zoom is active, turn the GAIN back down to a normal operating level. The M1 has bottom lock Zoom Only.

Up/Down Buttons (M3L & M5L Systems Only)

When you first depress the ZM button and then the Up/Down Button, you will see two blinking yellow lights that are 5 feet apart on the yellow scale on the flasher dial. You can move the zoom window up or down to your desired depth range. You can select a 10-foot zoom window by pressing the zoom button a second time and depressing the down button. You will now see a 10 foot zoom window and can move it to your desired depth.

IR Button

When other sonar units are causing interference to the display, activate the IR feature by depressing the IR key. When you press the key, a beep will be heard. There are 12 levels of Interference Rejection, and each press of the key will change the level of Interference Rejection. The correct level of IR will be achieved when the display is clear of display clutter.

NBT Button (M5L Systems Only)

This feature allows you to change your transducer cone angle from 20° to 8°. The 8° cone angle should be used in deep water, shallow water with heavy weeds, or when fishing in close proximity to other anglers with heavy interference.

SFL Button (M5L Systems Only)

This feature allows the user to improve target separation to 3/4 of an inch and still utilize the full screen display. When the SFL key is depressed, a RED LED will light to indicate that the SFL feature has been activated. Utilizing Superfine Line changes the transmit pulse, narrows the display segments, and improves the target separation to 3/4 of an inch.

Charging

To charge, simply couple the end of the charger with the end of the wiring harness. It is also normal for the light on the charger to be green if it is just plugged into the wall. When it is plugged into the wall and battery, you will see a red LED light appear on the charger. If the light is red, the battery is being charged. When your battery is fully charged, this red light will change to green.