



microTM anchor



Owner Guide

Powered by **C-MONSTER**
CONTROL SYSTEM

Welcome to the world of Power-Pole®, the original shallow water anchor.

Congratulations on your purchase of a Power-Pole® MICRO shallow water anchor. This all-new, all-electric wonder is the first of its kind – a super-compact powerhouse that was built to give you the ultimate shallow water fishing experience. No matter how fast the wind and water are moving, you won't be. With Power-Pole's signature strong hold, the MICRO gives you a smooth stop on the spot in less than 7 seconds flat. Whether you're anchored in sand, rock or muck, it's swift, it's silent, it's secure. And, yes, it's small.

As if that wasn't enough, you'll also have all the benefits and features of the MICRO's C-Monster operating system. The included wireless remote puts you in charge, with all the speed and directional controls in the palm of your hand. You can even call your moves from your smart phone with our free app.



The information contained in this guide describes the procedures for safe use and proper maintenance of your new Power-Pole MICRO shallow water anchor. If you have questions about your new Power-Pole anchor we're always here to help. There are FAQs, videos and technical support on our web site at www.power-pole.com or call our Technical Support Team at **813.689.9932 option 2.**



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anchor



Operating the Power-Pole MICRO™ Anchor

Calibrating Your MICRO Driver Unit

For proper operation your MICRO Driver Unit must be calibrated to your spike. The driver unit will read the the proper length and surface smoothness of your spike and calibrate the distance and pressure required for proper anchoring force. To calibrate your driver unit:

1. Insert the spike into the MICRO Driver Unit.
2. Press the ANCHOR FORCE and BATTERY LEVEL buttons on the top of the unit at the same time. The driver unit will automatically start the calibration process.
3. The unit will cycle the spike up and down for 30 to 60 seconds.

NOTE: Do not touch the driver unit or spike during the calibration process.

4. Once the calibration is complete the programming LED will return to flashing green. Your MICRO Driver Unit is now ready for use.



Top Side Controls (Fig 1)

The UP and DOWN buttons of the top of the MICRO Driver Unit can be used to retract and deploy your Power-Pole MICRO anchor.

- While pressing the ANCHOR FORCE button also press the UP or DOWN to increase or decrease the anchor force **Fig. 1** Lighter vessels require less anchoring force. **NOTE: Anchoring force does not relate to stopping power.**

Surface Mount Switch (Fig 2)

- The surface mount switch has three speed settings (slow, medium, & fast). Pressing and releasing the “speed” button will toggle through the three settings.
- The LED lights on the switch will flash corresponding to either a slow, medium, or fast setting.
- With multiple Power-Pole anchors equipped with the C-Monster operating system, the surface mount switch

Programming LED



Figure 1

can be used to toggle between independent or simultaneous control of the anchors. Depressing and releasing the “directional” button will toggle through the multiple anchors for independent or simultaneous control.

- The LED will flash either between left, right or on both to indicate the current control settings.
- To raise or lower your Power-Pole MICRO anchor, press and hold either the UP or DOWN button on the switch. The anchor will only continue to move so long as you press the button.

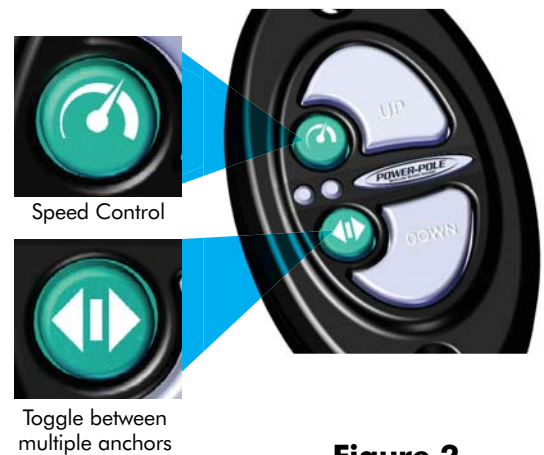


Figure 2

Auto Mode: Double tapping (pressing and releasing 2 times within 1 second) either the UP or the DOWN button on the switch will cause the anchor to retract or deploy automatically. The anchor will continue to move in said direction until it either retracts completely (up) or senses a solid bottom surface (down).

Remote Control (Fig 3)

- To raise or lower the Power-Pole MICRO anchor, press and hold either the UP or DOWN button on the remote control. The anchor will only continue to move so long as you press the button.

Auto Mode: Double tapping (pressing and releasing 2 times within 1 second) either the UP or the DOWN button on the remote control will cause the anchor to retract or deploy automatically. The anchor will continue to move in said direction until it either retracts completely (up) or senses a solid bottom surface (down).



Figure 3

Wave Mode

In addition to Anchoring Force control, your MICRO Driver Unit can be put into Wave Mode. While the spike is at the bottom position, press the DOWN button on either remote control to enter Wave Mode. In Wave Mode the MICRO Driver Unit will continue to absorb waves and re-drive the spike up to 20 times. If further wave absorption is required, press the DOWN button again to reactivate Wave Mode.

C-MONSTER™ Smart Phone App

CONTROL SYSTEM

The C-Monster smart phone app will allow you to customize your Power-Pole MICRO anchor.

The C-Monster app is available for free in the Android Marketplace.

Smart Phone App Installation

NOTE: The smartphone must have access to the internet throughout this entire procedure.

Currently, the C-Monster smart phone app is only available for Android OS. Go to the Android Marketplace on your smart phone. Search for **C-Monster**. In the results list locate and select the Official Power-Pole C-Monster application. A description of the app will appear, press **INSTALL** to install the app. Once the app is installed:

1. Go to your phone's wireless and network settings, and make sure Bluetooth is on.
2. Go to Bluetooth Settings and Scan for devices.
3. When you see your Power-Pole Micro™ anchor in the list of devices, touch to select and pair with your phone.
4. When prompted for the PIN, use 1234 and press OK.
5. At this point your device will be paired but not connected.
6. Now open the Power-Pole C-Monster app to connect.
7. Check the box next to the Power-Pole anchor serial number that you want to connect to.
8. Tap the Connect button.
9. At this point, the C-Monster app will prompt you to update the firmware if applicable.

Instructions for using the App can be found within the App.



Maintenance and Storage

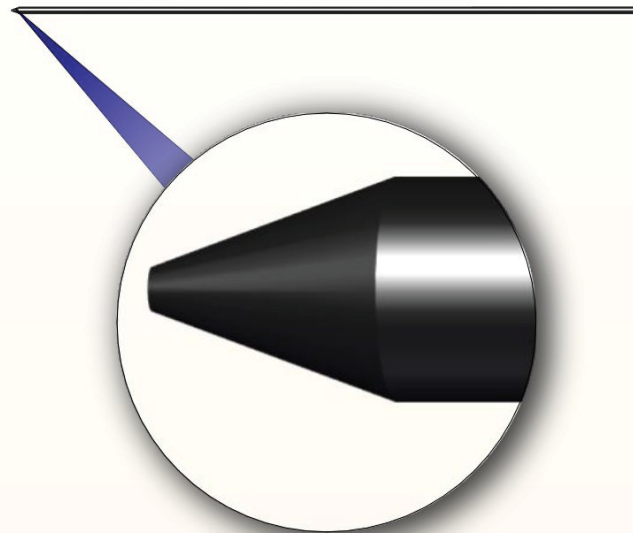
- Inspect all electrical connections to ensure that they are secure and free of corrosion every 3 months.
- Inspect all hardware for proper tightness prior to each use.
- The MICRO Driver Unit needs to be flushed out after each use with water **Fig. 4**
- While not in use place the dust cover onto male plug connector and turn battery switch to the OFF position.
- Routinely inspect spike for excessive spike wear.
- Lightly sanding full shaft of spike with 200 to 300 grit wood sand paper to improve drive train engagement.
- Keep spike bottom tip sharpened to pencil sharpness is preferred for optimal drive train engagement – make it taper down to roughly half the diameter at a minimum **Fig. 5**
- MICRO Driver Unit has a quick release clamp for easy removal. (See attaching and removing section in the Installation Manual)

Figure 4

With the spike removed, double tap the key-fob remote DOWN button to run the unit a full 30 seconds while simultaneously flushing with low flow water. Repeat as needed to clean all debris from spike pocket mechanical parts.



Figure 5



Frequently Asked Questions (FAQ)

Q: What is the biggest boat recommended for the MICRO shallow water anchor?

A: The MICRO works best on boats 1,500 pounds or less including people and gear..

Q: Why is the Power-Pole driver spike the best?

A: (1) It's made of durable and flexible materials know as E-flex fiberglass rod. (2) It has a threaded insert to attach accessories such as a GO-PRO video camera, etc. and (3) It has been thoroughly tested by JL Marine Systems, Inc. and functions to our standards.

Q: If vessel is above the weight limit recommendation will this void the manufacture warranty?

A: No, but this will affect the holding power.

Q: How many wireless controllers can I program to my MICRO anchor?

A: Up to six (10) wireless controllers can be programmed to operate your single or dual MICRO anchor.

Q: How do I program a new wireless controller to my existing MICRO anchor?

A: 1. Press and hold the "Program" button on top of the MICRO Driver Unit, press and hold for 3 seconds until the LED turns solid green.
2. Press and hold either the UP or DOWN button on the wireless controller you are pairing until the unit responds.

Q: How do I adjust the speed on my included wireless key-fob?

A: The standard key-fob speed is non-adjustable

Q: How do I order a replacement spike?

A: Replacement spikes can be ordered via phone. Simply call a member of our technical support staff for a free replacement. Before you call, please have your serial number in hand. Serial numbers can be located at the bottom of the MICRO Driver Unit where spike exits.

Q: Can I use a Non Power-Pole MICRO Spike with MICRO anchor?

A: Yes, please see Non Power-Pole Spike Instructions included with MICRO Unit.

Q: What type of 12 volt battery can be used with the MICRO Driver Unit?

A: Any 12 volt DC battery can be used with the MICRO anchor.

Trouble Shooting Guide

SYMPTOM	RECOMMENDATION
Slipping / noise when anchored	1. Reduce anchor force and retry. 2. Sand spike with 200 to 320 grit sand paper.
Spike does not retract	Reduce the anchor force setting by one level from the MICRO Driver Unit. NOTE: If stuck down the force setting may be too high.
Excessive slop / wobble when stowed or deployed	Call tech support for new replacement spike gliders.
Driver is making a grinding noise while running	Flush spike pocket to get any dirt out that could be causing the grinding noise (See Fig. 4)

Need help? Contact our Technical Support Team at **813.689.9932 option 2**

Installation of New Dash Switch Battery

1. Ensure the surrounding area is as dry as possible to avoid any moisture intrusion.
2. Remove the (2) #8 x 3/4" flat head from the top of dash switch.
3. Use a small slotted screwdriver to remove the dash switch cover plate. **Fig 6**
4. Remove the rubber switch membrane and the board from the dash switch base.
5. Remove the battery from the holder on the back of the board and replace with any CR2032 3V Lithium Coin Battery.
6. Place the board and rubber switch membrane back into the dash switch base and ensure that the rubber switch membrane is seated properly prior to installing the cover plate **Fig. 7**

Figure 6

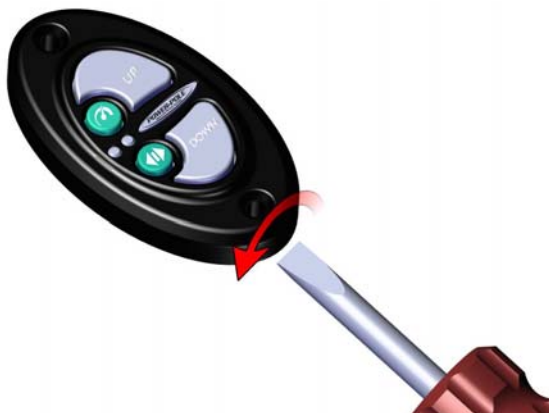
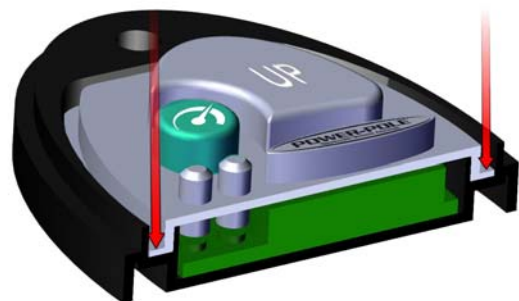


Figure 7




Precautions

Do not use the Power-Pole MICRO as your primary anchorage. Never leave your boat unattended while anchored solely with the Power-Pole shallow water anchor.

- Prior to use, read this instruction manual carefully. Become familiar with the controls and how to operate your Power-Pole shallow water MICRO anchor properly.
- Do not allow children to operate or tamper with the Power-Pole MICRO anchor without adult supervision.
- Do not modify the unit in any way.
- Use only genuine Power-Pole MICRO anchor accessories.
- Always disconnect the 12 volt power source from the anchor before servicing.
- Do not use your Power-Pole MICRO anchor as a form of assistance for entering or exiting the vessel.
- Never leave your boat unattended with the Power-Pole MICRO anchor as the primary anchorage.
- During situations with high wind or rough seas, your Power-Pole MICRO anchor may release holding pressure in order to protect your vessel's transom.
- If any debris gets caught around your anchor's spike, disconnect the 12 volt power source prior to removal.

MICRO Optional Accessories

- Lithium Ion Battery Pack & Charger – Delivers up to 100 full deployment / retraction cycles per charge.
 - 8.5' Micro Spike
 - Transom Clamp-on Attachment
 - Adapter bracket for mounting between motor and transom
 - Additional Power Cord
- 

FCC Part 15.19 Warning Statement

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

FCC Part 15.21 Warning Statement

NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

FCC Part 15.105(b) Warning Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IC RSS-GEN, Sec 7.1.3 Warning Statement

ENGLISH: This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

FRENCH: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC RSS-GEN, Sec 7.1.2 Warning Statement

ENGLISH: Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

FRENCH: Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Two (2) Year Limited Warranty

Power-Pole® MICRO shallow water anchor

Conditions of this Warranty

A Power-Pole MICRO™ shallow water anchor manufactured by JL Marine systems Inc. is warranted against defects in material and workmanship in the MICRO Driver Unit, adjustable mounting bracket stern bracket, and electrical system, to the original end consumer from the original purchase date, according to the following stipulations:

1. Power-Pole MICRO shallow water anchor warranties are activated upon receipt by JL Marine Systems, Inc. of the completed warranty card, postdated within (10) days of the original purchase date or by registering your Power-Pole on our website. Please retain your sales receipt as proof of purchase.
2. Install Genuine Power-Pole Merchandise ONLY. This warranty is void if any non-authorized parts are used or installed.
3. This warranty is void if the Power-Pole MICRO shallow water anchor is used commercially, structurally altered or subject to stress beyond the physical limits of the manufactured material.
4. This warranty does not cover abrasion or abnormal abuse, nor does it cover the Power-Pole MICRO shallow water anchor for anything other than its intended use.
5. JL Marine Systems, Inc. reserves the right to change products and designs without incurring any obligations to incorporate such changes in already completed products, or those in the hands of dealers or consumers. Products repaired or replaced under this warranty may or may not have these changes.

Shipping (Only applies to packages shipped within the Continental U.S.)

1. Parts which prove defective within (90) days from the date of purchase, JL Marine Systems, Inc. will pay for the replacement product shipping and handling fees to and from the JL Marine Systems, Inc. manufacturing plant or some other place which JL Marine Systems, Inc. might designate.
2. Parts which prove defective after (90) days but before (12) months from the date of purchase will also be repaired or replaced free of charge, but there may be a shipping charge to JL Marine Systems, Inc. manufacturing plant or some other place which JL Marine Systems, Inc. might designate.
3. Parts which prove defective after (12) months will also be repaired or replaced free of charge, but there may be a shipping and handling charge to and from the JL Marine Systems, Inc. manufacturing plant or some other place which JL Marine Systems, Inc. might designate.

Parts

1. The **MICRO Driver Unit** and **adjustable mounting bracket** which proves defective within (24) months from date of purchase will be repaired or replaced free of charge. Unit damage due to incorrect power supply, submersion or excessive exposure to water may void this warranty.
2. A **dash mounted wireless switch** and **key-fob remote control** which proves defective before sixty (24) months, will be repaired or replaced free of charge. In the case of replacement, parts of same (or equivalent) model will be used.
3. **This warranty does not cover water damage in any way.**

THE WARRANTY CONTAINED HEREIN IS THE EXCLUSIVE WARRANTY MADE BY JL Marine Systems, Inc. AND THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY MADE WITH RESPECT TO SUCH ANCHORS. JL MARINE SYSTEMS, INC. IS NOT LIABLE FOR ANY INJURY OR MISHAPS SUSTAINED IN THE USE OF THIS PRODUCT. THE USER OF THIS PRODUCT ACKNOWLEDGES ASSUMED RISKS AND WAIVES ANY AND ALL CLAIMS AGAINST JL Marine Systems, Inc. AND ANY OF IT'S AGENTS.

This warranty applies under conditions of normal use. The warranty does not cover: 1) defects caused by improper assembly or disassembly; 2) defects occurring after purchase due to product modification, intentional damage, accident, misuse, abuse, negligence or exposure to corrosive elements; 3) cosmetic damage and 4) labor or assembly costs.

Except as provided herein, JL Marine Systems, Inc. makes no express warranties, and any implied warranty, including without limitation any implied warranty of merchantability or fitness for a particular purpose, is limited in its duration to the duration of the written limited warranty set forth herein.

Except as provided herein, JL Marine Systems, Inc. shall have no liability or responsibility to the purchaser or any other person or entity with respect to any liability, loss or damage caused or alleged to be caused directly or indirectly by use of the product, including, but not limited to, any incidental or consequential damages. Some states do not allow limitation on how long an implied warranty lasts or the exclusion of limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.



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