GPS ANCHOR 5®

SRQ Mount
(Slide, Rotate and Quick-Release)
Installation and Use Instructions

RHODAN®
MARINE SYSTEMS

Thank you for supporting small manufacturing in the USA by purchasing the SRQ Mount, designed exclusively for use with the Rhodan 5th Generation GPS Anchor. Since the development of our first GPS Anchor System in 1994, our goal has always been to provide our customers with quality tools to enhance their time on the water. The patent pending SRQ Mount continues that tradition of innovation by being the first device to provide slide, rotation, and quick-release functionality in a single mount. Engineered, CNC Machined and Assembled by the team of dedicated professionals at our factory in Sarasota, Florida, the name pays homage to the call sign of our local Sarasota-Bradenton airport. With the possible exception of some of the miscellaneous, commercially available hardware, your purchase represents nearly 100% Made in the USA content.

Please take the time to review and understand this document that is filled with tips and tricks to optimize the functionality and reliability of your purchase for years to come. As always, if you ever have any questions, concerns, or suggestions, we invite you to contact our Customer Service Team for further support.

SET IT – FORGET IT – CATCH MORE FISH!

MOUNTING

TOOLS & MATERIALS REQUIRED

- Drill
- 9/16" Wrench or Socket
- 3/16" Hex Socket Adapter
- Tape Measure or Ruler
- 3/8" Drill Bit
- 7/32" Hex Key
- Torque Wrench
- Marine Adhesive Sealant

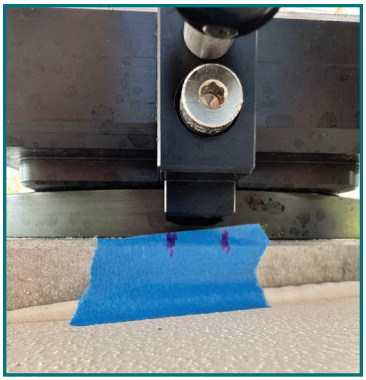
1. Determine the approximate installation location on your vessel.
2. The flat edge of the base plate must be located no more than 7" from the outer edge of the rub rail to provide the required 1" of clearance from the shaft when deployed. It may be necessary to locate the base plate closer to the edge in cases where additional shaft clearance is required (See Rhodan Gen 5 Owner's Manual for further details).

3. Confirm that there will be adequate clearance for the shaft of the motor to swing through the required arc while stowed.
    - This will range from being aligned with the gunnel in the fully stowed position, to being roughly perpendicular to the rub rail in the “ready to deploy” position.

4. Confirm that there is suitable access below the deck to ensure that you will be able to properly secure each of the four mounting bolts with a suitable backing plate.
    - We recommend the use of the included backing plate, however at a minimum you must install at 1-1/2” diameter fender washer on each bolt.
    - Please also verify that there is sufficient structural reinforcement at the chosen location to withstand the loads. If in doubt, please contact your vessel manufacturer or a fiberglass specialist for assistance.
5. The base plate can be oriented at any angle that works for your vessel. Generally speaking, it works well for one edge to be roughly parallel with the rub rail.
6. Ensure that the base plate sits level side to side and either level front to back , or at an appropriate angle to allow the motor to follow the gunwale when in the fully stowed position.
    - The GPS Anchor is highly adaptable to different mounting conditions, however the efficiency will be reduced if the shaft is not within about 5° of vertical when deployed.
    - If there is any gap greater than 1/16”, a spacer, structural filler, or other remedial work may be necessary to obtain a proper installation.
    - Failure to address this matter may result in structural damage to the deck of your vessel.

7. Prior to drilling any holes, do a final check to confirm that the center of rotation of the SRQ bracket (i.e. the center the mounting plate) is not to be further than 10.5" from the outer edge of the rub rail.
8. Mark and drill the four 3/8" mounting holes to secure the base plate to the deck.
    - We recommend not drilling directly through the mounting holes to avoid damaging the protective finish on the base plate.
    - All four fasteners MUST be installed. Failure to do so will likely result in damage to your vessel.
    - Take care to ensure that the holes are drilled perpendicular to the plate. This will help prevent misalignment when installing the backing plate.
9. Locate the base plate over the holes and insert two of the four mounting screws.
10. Trial fit the backing plate on the two screws. Retain this in place by starting a nut onto both screws, then install the two remaining screws to ensure everything fits properly.
11. Remove the backing plate, base plate and hardware after completing the trial fit.
12. Clean the deck thoroughly with a suitable solvent, such as acetone.
13. Apply a marine adhesive sealant to the underside of the base plate, then reinstall using two of the bolts to locate the plate.
14. Apply marine adhesive sealant to the top side of the backing plate and reinstall on the two bolts inserted in the previous step.
15. Insert the two remaining bolts.
    - Be sure to install one of the supplied flat washers between each locking nut and the backing plate.
    - The hardware provided is 316 grade stainless steel. This material is extremely corrosion resistant, but is also prone to galling (seizing) during assembly. We strongly recommend the use of anti-seize compound on the threads prior to assembly. This is especially true when using power tools since the higher speeds exacerbate the galling issues. Not only is a seized bolt difficult to remove, it can lead to a false impression that the bolt has been properly tightened.
16. Torque all four of the mounting bolts to 15 ft-lbs.
    - On fiberglass vessels, a small amount of cracking noise is not uncommon. However, if this is excessive or it appears that the deck core material is collapsing, the deck will likely require reinforcement to withstand the loads that will be applied when in use. If in doubt, please contact your vessel manufacturer or a fiberglass specialist for assistance.
17. Clean up any excess of the marine adhesive sealant and ensure that there is a smooth and uniform bead of sealant around the perimeter of the base plate.

18. If necessary, rotate the detent ring so that the appropriate swing angle is selected.
    - One detent notch should roughly align with the orientation of the back of the motor when stowed along the gunwale. Another notch should aligned opposite of the nearest point to the rub rail. Options of 45°, 60°, 75°, and 90° have been provided. Please select the most appropriate choice for your installation.
19. Lightly tighten the four cap bolts. Do not tighten to more than 2 ft-lbs at this stage to ensure that the detent ring can be properly aligned in an upcoming step.
20. Install the GPS Anchor5 onto the slide mount and ensure that the detent pin is fully seated in the rear most position (i.e. the front of the slide should be roughly aligned with the front of the aluminum frame of the system). The system must be in the stowed position for this to function.
21. Rotate the system to the preferred location along the gunwale.
    - We recommend that the motor be stowed with the propeller to the outside. For most installations, this will allow for the entire motor to be located inboard of the rub rail while stowed.
    - Take care to ensure that the head of the motor is inboard of the rub rail to avoid damage from dock strikes.
22. Place a small mark to indicate the alignment of the detent ring and the base plate. This will be used to ensure proper orientation of the detent ring in a future step.
23. Remove the system from the slide.
24. Ensure that the detent ring is properly aligned with the base plate, using the mark in the earlier step, then tighten the four screws in the mounting cap to 30 ft-lbs.

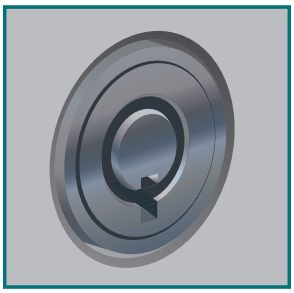


    - The SRQ bracket has been intentionally design with a slip clutch feature to help prevent damage in an overload situation, such as striking a dock. This torque setting has been selected to provide ample resistance to rotation, but still allow for the detent plate to rotate under excessive load. Adhesive, lubricants, or improper torque can negatively impact the function of this feature.
    - Should you observe that the detent ring moves too easily (i.e. less than 50lbf applied 5 feet back from the point of rotation), this can be an indication of loosened or inadequately torqued cap bolts. Please remove the system from the mount and retorque the bolts.
    - In the event that the detent ring does get moved, loosen the cap bolts and repeat steps 23 through 28.

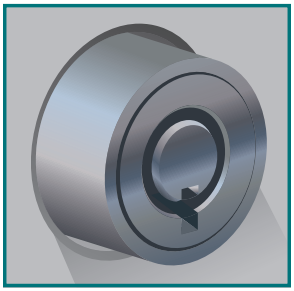
OPERATION

INSTALLING THE SYSTEM ONTO THE SRQ BRACKET.

- The system can be installed on the mount from either the front or the rear, with the slide rotated to any angle that is convenient. Generally speaking, it will be easier to manage if the slide is locked into one of the rotation detents.
    - Before installing, ensure that the security lock assembly has been placed in the unlocked position. The head of the lock should protrude approximately ¼" beyond the side cover.
- Align the frame of the system with the end of the slide and guide into place. Take care to keep the system level during this step to prevent binding.
- As the system goes into place, the detent pin will engage with the end of the slide. The pin should retract on its own if sufficient force is applied, however the pin can be pulled to ease installation.
- Once the detent pin is engaged with the slide, the system should be captive on the slide, moving freely between the front and rear detent locations.
- Push in the security lock and ensure that it engages properly and remains flush with the side cover.
    - If the lock is projecting, the security lock is not engaged.



Locked



Unlocked

REMOVING THE SYSTEM FROM THE SRQ BRACKET

- The system can be removed from either the front or rear of the mount, with the slide rotated to any angle that is convenient.
- Disconnect the power cable and any NMEA2000 or Rhodan data cables attached to the back of the system.
- Ensure that the security lock assembly has been released to the unlocked position. The head of the lock should protrude approximately ¼" beyond the side cover.
- Slide the system to either the forward or aft detent position (depending on the direction of removal).
- While holding the detent pin in the fully extended position, continue to slide the system until the detent pin has passed the travel stop on the slide (about another inch).
- The detent pin can now be released
- Continue sliding the system until it is fully disengaged from the slide assembly and the system will be removed.

DEPLOYING THE SYSTEM

- If a Ram Mount is being used, please release it from the motor.
- Slide the system to the forward most position on the slide assembly.
  - The detent pin should retract on its own if sufficient force is applied, however the pin can be pulled to ease movement.
- Pull the rotation lock knob and begin rotating the system from the stowed to deployed orientation.
- Continue rotating the system until the rotation lock reengages into the deployed position notch.
- The system is now ready to deploy in accordance with the instructions in the Rhodan GPS Anchor5 Owner's Manual.

STOWING THE SYSTEM

- Place the lower unit into the stowed position in accordance with the instructions in the Rhodan GPS Anchor5 Owner's Manual.
- Pull the rotation lock knob and begin rotating the system from the deployed to stowed orientation.
- Continue rotating the system until the rotation lock reengages into the stowed position notch.
- Slide the system to its rearmost position on the slide assembly to provide maximum protection from outside impacts such as dock strikes.

MAINTENANCE AND INSPECTION

- The Rhodan SRQ bracket has been designed to provide years of service with minimal maintenance. However, the following tips are provided to help ensure a more enjoyable and trouble-free experience.
- Salt, sand and debris can accumulate in the slide assembly and prevent proper operation. Should the slide function become stiff, we recommend that you remove the system from the mount and clean the slide and inside of the frame. At this time, inspect for any dings or burrs that may be causing additional resistance.
- The system is designed to be self-lubricating, however under certain circumstances, such as frequent salt accumulation on the slide, a coating of grease may prove beneficial. We recommend the use of a clear, non-staining, non-drying lubricant, such as petroleum jelly or silicone grease. Use of a lubricant that is not compatible with acetal plastic may lead to weakening of critical structural components in the mount. Such action will void the warranty on the mount and Rhodan assumes no liability for any resulting damage or injury. When in doubt, leave it dry and clean more frequently.
- Should the rotation ring become loose or get moved by an outside impact, refer to steps 23 through 28 on the installation section of this manual to ensure proper realignment.
    - Take the time to do a thorough inspection of the system and mount to ensure that there is no visible damage. Should damage be found, please contact Rhodan or your nearest authorized service center for assistance.

WARRANTY

Rhodan Marine Systems SRQ Brackets that have been under normal and proper usage are warranted to be free of manufacturing defects for a period of 36 months after date of purchase.* Proof of purchase required.

CUSTOMER SERVICE

Have your unit serial number ready and call

1-941-706-4578

California Proposition 65 Warning

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information: www.P65warnings.ca.gov

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