



BIXPY JET USER MANUAL



WATER PROPULSION REDEFINED

Thank you for purchasing a Bixpy product. You are now part of a family of adventure seekers who expect more from their equipment. You now own one of the most advanced and versatile personal water propulsion systems in the world.

Our products make adventures accessible to new users and give experienced users a way to explore new places by providing a more compact, cleaner, quieter and more advanced water propulsion system.

Bixpy products combine the latest in motor and battery technology along with fine tuned mechanical engineering to give you products that will redefine the way you interact with the elements.

With great power comes great responsibility.

So before anything else, and definitely before you hit the water, PLEASE read through this User Manual and learn how to use and take care of your Bixpy Jet and accessories. Misuse and lack of care can be dangerous to you and those around you and can void your warranty and render your device useless.

We look forward to seeing you on the water as you use your Bixpy products to partake in new adventures!

SAFETY, RESPONSIBILITY AND RELEASE

Using a motor on any watercraft or using one for diving or swimming can be dangerous and involves certain risks which often cannot be predicted or avoided. Those risks include, but are not limited to, personal injury or death, property damage, which may result from, loss of control, collisions with other users or watercraft, swimmers, and natural and man-made objects and/or animals. By choosing to use a Bixpy product, you assume these risks and thereby need to know and practice water safety rules, responsible motoring, and proper use and maintenance of your Bixpy product(s) to reduce these risks. Since it is impossible to anticipate every situation or condition which can occur while under motor power in water, Bixpy can make no representation or warranty about the use and safety of Bixpy products under all conditions.

By purchasing and/or using Bixpy Products, you acknowledge, agree and understand the danger(s) involved in using Bixpy products and accessories. You, on behalf of yourself and your heirs, executors, administrators, successors and assignees: (1) Fully assume the risks involved in using Bixpy products and agree to use your best judgment in undertaking your activities to reduce such risks. (2) You agree to strictly and fully follow all safety instructions in this document and/or provided on the Bixpy Website or related communications. (3) Fully and voluntarily waive, relinquish, covenant not to sue, release and agree to

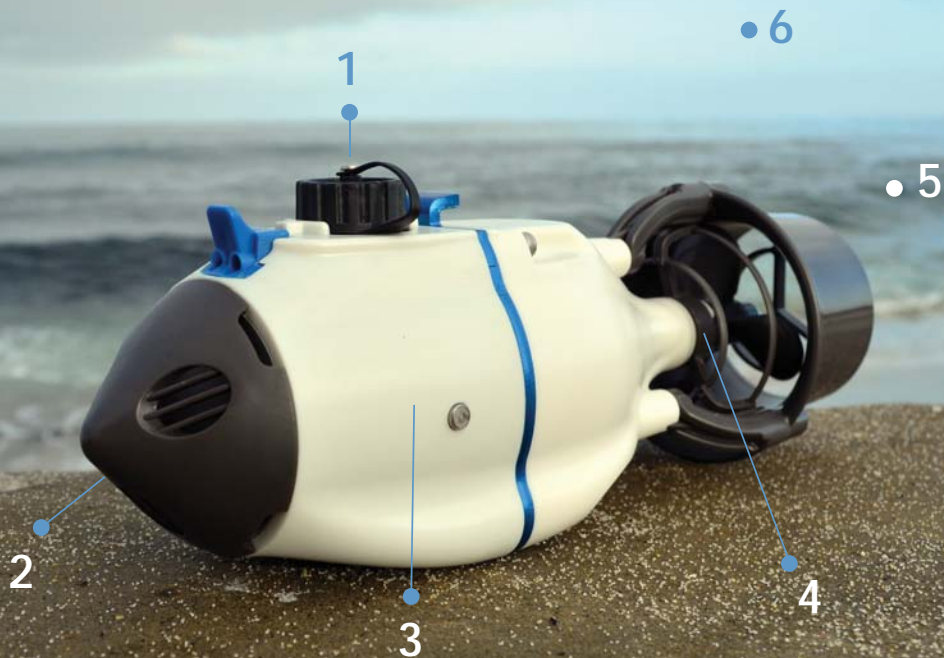
indemnify and hold harmless Bixpy, its members, employees, officers, managers, agents, resellers and representatives from any claim or loss for personal injury, property damage and/or death resulting from the use of Bixpy products and/or accessories.

You further: (1) acknowledge and agree that this waiver and assumption of risk is intended to be as broad and inclusive as is permitted by applicable law and that if any portion thereof is held invalid, the balance shall nonetheless continue in full force and effect; (2) acknowledge and agree this assumption of risk and waiver provides for the release of legal rights; and (3) expressly waive whatever benefits may be available under Section 1542 of the California Civil Code, as follows: A general release does not extend to claims which the creditor does not know or suspect to exist in his or her favor at the time of executing the release, which if known by him or her must have materially affected his or her settlement with the debtor.

Please note that your insurance policies may not provide coverage for incidents resulting from the use of Bixpy products. Please contact your insurance company to determine your coverage prior to using Bixpy products.

IF YOU DO NOT AGREE FULLY TO ALL OF THESE PROVISIONS, YOU SHOULD NOT USE BIXPY PRODUCTS.

BIXPY JET FEATURES



The Bixpy Jet is a direct drive system and as such operates quietly and efficiently using clean rechargeable batteries. The motor housing and all Bixpy battery packs are fully sealed and require minimal maintenance. Keep them clean and rinse or run them in fresh water after each use. The jets and batteries are happiest when kept clean and stored in dry conditions.

- 1** All of your Bixpy Products are equipped with waterproof connectors. If you are taking your device below 10m (30 feet), you **MUST** fill the connectors with dielectric grease. In general, it is a good idea to fill your connectors with dielectric grease, specially if you use your equipment in or near salt water. This will reduce the likelihood of corrosion over time and will allow for better mating of the connectors. Grease does have a tendency to gather sand and dust though, so when necessary, clean out the connectors using mild soap or rubbing alcohol or compressed air and apply new grease.
- 2** The front nose of your Bixpy Jet acts as a water cooling system for the electronics inside the housing and the plastic “face” acts as a bumper for your motor in case of impact. Do not block the intakes and do not operate without the bumper. Contact us or a dealer for a replacement bumper.
- 3** Your motor housing and handheld battery are rated to operate at a maximum depth of 30 meters (100 feet) below water. Bixpy will not warrant the product below this depth.
- 4** The Bixpy Propeller is designed with a cutting mechanism at its base to break weed and grass. Even so, eelgrass and other long and fibrous plants can make their way into the intake and wrap around the propeller. Do not run the motor if grass or weed is clogging your propeller housing. This can overheat the motor and in the long run can ruin your motor and/or battery. Use forceps to remove grass or other debris from your propeller housing. In extreme cases, you can open the outlet using a 3 millimeter Allen wrench and clean out your propeller housing. In the rare event that you break your propeller, **DO NOT** run your motor with a broken propeller. Contact Bixpy Support or your nearest Bixpy Dealer for a replacement propeller.
- 5** Bixpy Jet uses some of the most advanced alloys to ensure maintenance free use in salt water. Even so, we recommend rinsing or running your equipment in fresh water after use in salt water.
- 6** Your Bixpy Jet is made to run in water. It uses water as a coolant and to moderate propeller speed. Running it in air will damage your motor and/or batteries. **DO NOT RUN IN AIR.**

BIXPY SWIM JET



OPERATING YOUR BIXPY SWIM JET

The Bixpy Swim Jet uses submersible handheld battery packs to turn your Bixpy Jet into the ultimate diver propulsion vehicle (DPV). Here are the main features of your Bixpy Swim Jet:

1 Your Bixpy Swim Jet is controlled using a magnetic finger trigger. Hold the switch down for about 3 seconds to activate your Swim Jet. Once activated, you will hear two beeps and the battery status lights turn on to indicate your charge level.

- Pull on the trigger again for speed 1
- Another quick pull of the trigger for speed 2
- A final pull of the trigger for top speed

Remember, if you ever want the motor to stop, let the trigger go and it will immediately stop the motor. Speed 1 is NOT a swim speed and is reserved as a test speed and for removing debris for underwater explorers.

2 Your Swim Jet batteries are equipped with a 6-LED status indicator. These lights are only for reference purposes and have fairly poor accuracy by nature. So they should not represent a reliable, proportionate battery life indicator for your dives. **DO NOT RELY ON YOUR SWIM JET OR ITS BATTERY LIFE OR INDICATORS FOR YOUR DIVES.** You should NEVER use the jets to take you beyond distances or depths you can not comfortably and safely swim in case of failures.

3 Charging port: Make sure your charging port cap is closed and secured before exposing it to water. If you are diving below 10M (30 feet), you must fill the connector with dielectric grease for better support. Dielectric grease can be purchased at any hardware or electronic shop.

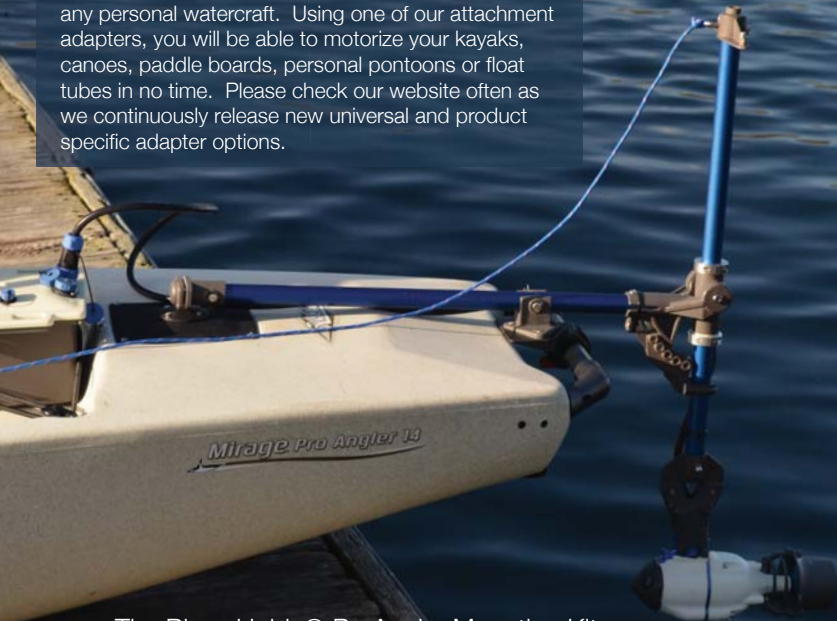
4 The lanyard loop: You should use the lanyard loop to secure the jets to your wrist or your diving equipment. The loop is sturdy enough to be used as a tow loop.

5 Accessory mount: the Swim Jet battery features a standard 1/4" mount strategically placed to allow you to add a variety of accessories such as cameras and flashlights to your Bixpy Jet.

6 When mated to a Bixpy Handheld Battery, your Bixpy Jet can be used at a maximum depth of 30 meters (or 100 feet). Using the jet beyond this depth may cause water penetration and failure which will not be covered under the Bixpy Warranty. If you do dive below 10M (30 feet), you must fill ALL connectors with dielectric grease.

BIXPY JET OUTBOARDS - KAYAKS, CANOES, TRANSOMS

The Bixpy Jet is powerful enough to motorize virtually any personal watercraft. Using one of our attachment adapters, you will be able to motorize your kayaks, canoes, paddle boards, personal pontoons or float tubes in no time. Please check our website often as we continuously release new universal and product specific adapter options.



The Bixpy Hobie® ProAngler Mounting Kit

MOUNTING OPTIONS - KAYAKS, CANOES, TRANSOMS



UNIVERSAL KAYAK

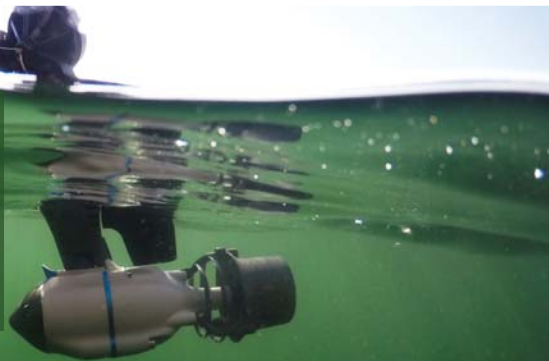
The Universal Kayak/Canoe Mounting Kit allows you to motorize virtually any kayak, canoe or personal watercraft using adjustable horizontal and vertical aluminum pipes and accessories. This kit also provides you with a steering mechanism to allow for full control of your motor.

◀ UNIVERSAL TRANSOM

If your personal watercraft is equipped with a vertical mounting plate, the Universal Transom Kit allows you to simply mount your Bixpy Jet to your watercraft like any other trolling motor. This kit also provides you with a steering mechanism to allow for full control of your motor.

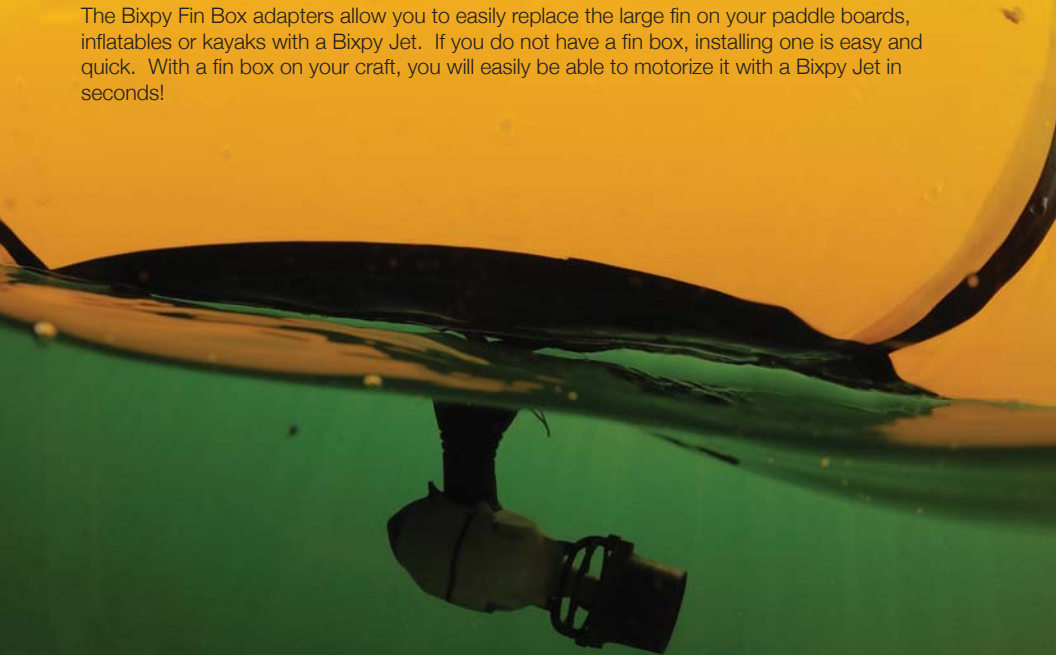
HOBIE® KAYAK OPTIONS

Hobie® Kayaks with Twist and Stow rudders can use the Bixpy Adapter to mount a Bixpy Jet to the rudder. If you own a roto-molded Hobie® Kayak with a Mirage® Pedal system, you can use the Bixpy Adapter to replace your pedals with a Bixpy Jet. Pro Angler® owners can motorize their Pro Angler® kayak with the specifically designed Bixpy Pro Angler® adapter.



BIXPY JET OUTBOARDS - SUPs, INFLATABLES, ETC...

The Bixpy Fin Box adapters allow you to easily replace the large fin on your paddle boards, inflatables or kayaks with a Bixpy Jet. If you do not have a fin box, installing one is easy and quick. With a fin box on your craft, you will easily be able to motorize it with a Bixpy Jet in seconds!



MOUNTING OPTIONS - SUPs, INFLATABLES, ETC...



PADDLE BOARDS

Use the Bixpy Fin Adapters to mount a Bixpy Jet to any paddle board with a standard or US fin box. Both options are simple and require no additional tools or modification of your existing paddle board. Once motorized, you can control the speed of your motor using your Bixpy Remote. Use your paddle for sharper turns or lean on your board for broad turns. The Bixpy Jet will provide you with hours of enjoyment on the water. Be mindful of your trips and always make sure you can paddle back home safely without the help of the motor.

INFLATABLES

Many inflatable kayaks and boards are already equipped with a fin box and fin. To motorize them, simply use the Bixpy Adapter that best fits your fin box and change your fin for a Bixpy Jet. If you would like to motorize an inflatable craft that does not have a fin box, use the Bixpy Fin Box to allow you to attach your Bixpy Jet to your watercraft.

MOTORIZED ANYTHING!

You can motorize many other watercraft with a Bixpy Jet using our DIY (do it yourself) kit. The kit provides you with a motor, battery pack, wireless remote and a template for you to make your own attachment for the Bixpy Jet. Please visit www.bixpy.com/support for instructional videos and demonstrations or to download the DIY template.

BIXPY HANDHELD BATTERIES

The Bixpy Handheld Batteries will turn your Bixpy Jet into the ultimate Diver Propulsion Vehicle (DPV). These battery packs are fully submersible, waterproof and ideal for snorkeling and scuba diving.

The handheld batteries are offered in two capacities. A smaller 98Wh battery is most suitable for snorkelers, offering positive buoyancy and a shorter burn time.

A larger 147Wh battery gives the Swim Jet slightly negative buoyancy and lasts about 30% longer for deeper and longer dives. Travelers can carry both batteries on most commercial flights as carry-on in addition to spare batteries. Please visit www.iata.org for information on flying with lithium batteries.

To turn your jet on, hold the trigger for 3 seconds to activate the system for 10 seconds (the battery status lights will light up indicating your battery charge). Once active, consecutive pulls on the trigger will increase your speed. Once trigger is released, the motor will stop running.

FEATURES AND USE

- The Snorkel Jet battery is: 22.2 V • 4,400 mAh • 98 Wh
- The Scuba Jet battery is: 22.2 V • 6,600 mAh • 147 Wh
- Positive buoyancy for Snorkel Edition, negative buoyancy for Scuba Edition
- 3 speeds: Speed 1 - sand blower - keep sand and debris out of the intake
Speed 2 - swim assist
Speed 3 - dive mode
- Magnetic trigger instantly stops motor when released
- Intuitive LED battery status indicator
- Waterproof to 30 meters (100 feet)
- For dives below 10 meters (30 feet), fill both main and charging connectors with dielectric grease

THE BIXPY OUTBOARD BATTERY



Your Bixpy Outboard Battery powers “ON” and “OFF” using a magnetic kill-switch and you control your speed using your Bixpy Remote. An intuitive remote control with forward, reverse and stop buttons. In case you lose your remote control, you can tap the battery box 4 times with your kill switch to get your motor running at half speed in forward.

The kill switch is there to protect you in case of an accident where you and your vessel are separated. Always ensure that the kill switch is attached to you in some way. That way, if you and your vessel part ways, the motor stops.

The Bixpy Outboard Battery has one output for both 12V and 5V USB power. Use only Bixpy connectors to power your phones, tablets and 12V fishing equipment.

FEATURES AND USE

- Your outboard battery is: 25.9 V • 15,600 mAh • 404 Wh
- Both battery pack and remote control are buoyant for easy recovery
- Variable speed: 10 speeds forward
3 speeds reverse
- Magnetic kill switch instantly stops motor when disengaged
- Intuitive LED battery status indicator
- Fully sealed and waterproof - but NOT submersible for swimming
- 5V and 12V (max 3 Amp) output connector for charging phones and running accessories
- Approximately 4 to 5 hours to charge a drained battery with a standard Bixpy 3A charger

TAKING CARE OF YOUR BIXPY JET

Bixpy Jets and battery packs are fully sealed and made to last. They require minimal care and maintenance. Of course, like all of your other possessions, some common sense and care will make them last a lot longer and more enjoyable to use.

- 1** Bixpy Jets are NOT to remain in water indefinitely when not in use.
- 2** After use in salt water, it is recommended that you rinse or run the jets in fresh water for a few minutes and store them in a cool dry place.
- 3** NEVER open the charging ports or power ports under water.
- 4** Never force your connectors to mate. Mating them may be tough the first few times, but will get easier with use. Forcing them or using tools to mate them may result in broken tabs which will render your device completely unusable.
- 5** Make sure your connectors are always mated fully by listening and feeling the last “click” as they mate into locked position. All connectors need to turn 180° from the point of full insertion and “click” into place. An open or partially open connector can lead to major damage to the motor and/or battery packs. Always check that your connector’s o-rings are in place before mating.
- 6** If you change adapters often or if you do dives deeper than 10m (30 feet), filling the connector with dielectric grease is a great idea and will help prevent corrosion from salt water and makes mating easier.
- 7** Do not run Bixpy Jets with weed or sea grass/eelgrass in the propeller housing. Do not run your Bixpy Jets in sand or mud.
- 8** To clean your Bixpy Jets and battery packs, use fresh water and mild soap. Never use harsh chemicals to clean your Bixpy products. You can use an air can and rubbing alcohol to clean the inside of the connectors that may have grease build up.
- 9** If necessary, use a 3mm Allen wrench to open the propeller housing to clean out your propeller or safety grills. Always ensure that your battery is in the “OFF” position when doing this!
- 10** NEVER run your motor with a broken or damaged propeller. This will void your warranty.

Your Bixpy Batteries are shipped sealed and are not meant to be tampered with or opened. Here are some care and maintenance instructions for your battery packs.

- 1** The lithium batteries in your packs will take between 500 to 800 full charges before starting to experience some power loss. Under normal use, your batteries should last between 3 to 5 years.
- 2** Your chargers have indicator lights that turn red when charging and turn green once the pack is fully charged. NEVER leave your batteries plugged in unsupervised or for extended periods.
- 3** The Bixpy Remote control is equipped with a watch battery CR2032, a readily available battery on-line or at many retail stores. This battery will need to be replaced every 3 to 6 months depending on use. If the red LED light on your remote is flickering or not lighting up, you will need to replace the battery. Please visit www.bixpy.com/support for instructions on how to replace your remote battery.
- 4** If you suspect malfunction in your battery, please contact us immediately. DO NOT open the sealed packs, tamper with the batteries or try to resolve the situation. Lithium batteries can be dangerous to handle and can cause serious injury, death or fires if not handled properly.
- 5** It is important that you secure your battery pack on-board when on a paddle board or kayak. If your battery falls overboard, there is a chance of damaging the cabling to the motor and/or battery housing in addition to being a danger to yourself or those around you. This sort of damage is not covered under warranty.
- 6** Damaged, punctured or compromised lithium batteries can cause very serious fires. If you suspect damage to your battery, please dispose of the battery in an appropriate manner immediately. Do not dispose of the batteries with regular trash. Check your local laws and dispose of the batteries in accordance with local code and requirements.
- 7** NEVER expose the battery packs to water with connector caps open and terminals exposed.
- 8** Although the 5V and 12V connectors are waterproof on the battery side, they offer no protection on the device side. Please take care of your equipment.
- 9** Make sure your batteries are not in the "ON" position when storing or transporting them.

WARNINGS AND PRECAUTIONS

Please read and keep these warnings and precautions handy for future reference. Failure to safely operate and care for your Bixpy products can result in serious injury, property damage or death and loss of warranty.

Battery warnings and care instructions:

- Your Bixpy batteries are supplied with a Bixpy Battery Charger. NEVER use other chargers.
- Lithium batteries CANNOT be connected in parallel like conventional batteries. Doing so WILL result in a fire and/or explosion.
- Tampering, opening of the case or modification to the batteries will void your warranty and may cause fires/explosions.
- Do not power other devices or motors using Bixpy batteries.
- All batteries drain slowly during standby. When not in frequent use, charge your battery every 30 days to keep it from getting permanently damaged. The Bixpy Warranty will not cover battery damage caused by over-drainage.
- Never store a drained battery. When returning from your activity with a drained battery, charge your battery as soon as possible to prevent permanent shutdown of the battery.
- You cannot run Bixpy Jet motors on other batteries.

Operating warnings and Precautions - please read carefully:

- NEVER use the Bixpy Jets to go further than you can swim, paddle or pedal back on your own power.
- Like any other device, there is a chance that at any moment your motor may cease to function. Always ensure that its seizure will not put you in danger.
- In case of a malfunction whereby the motor will not stop operating, remove motor from water as soon as possible and unplug from power source.
- Never use under the influence of drugs or alcohol
- Not to be used by children under 8 years old
- Must be used by children only under adult supervision
- Be careful of getting long hair from getting into the propeller.
- Do not wear loose clothing or objects when using the Jets
- Always wear an approved Personal Flotation Device
- Misuse can lead to serious injury or death
- ALWAYS rinse or run in clean fresh water after use
- Never expose bare connectors to water. Always use provided connector caps when connectors are not mated
- Fill connectors with dielectric grease below 10 meters (30 ft)
- Maximum depth rating: 30 meters (100 ft)
- Operate and store below 45°C (113°F)
- Do not use harsh chemicals to clean any Bixpy products
- When cleaning the propeller area, make sure the unit is not powered - remove kill switch or release power trigger

Every Bixpy motor, battery and accessory has been checked for defects multiple times and operated individually for quality control and defect-free operation. However, if you experience a problem or encounter a built-in safety feature that results in your motor or battery not operating as expected, the table below offers some simple troubleshooting hints. If you experience other issues, always feel free to reach out to us for support via phone or email.

Problem/Symptom	Cause/Action
Battery Pack does not respond	Your battery packs have many protective elements and they will shut down under distress. If this happens, you can usually "reset" the battery by plugging in the charger, which resets the battery to its working state. If this does not work, please contact us for further instructions. If you leave your battery drained for a long time, you do run the risk of permanently destroying the battery. This is not covered under your Bixpy Warranty.
Battery warning (Outboard Battery)	The 5th LED light (green LED from bottom to top) on the battery pack will blink if the system does not detect a motor attached to the battery or the motor is stressed. This could be because you do not have the motor plugged in, or the unit is not plugged in correctly, or the wire and/or motor are damaged or clogged with weed and/or rocks, sand or debris. Resolve above issues, and use your magnet to reset the system and try to run the motor again. If the motor still does not run, contact us for further instructions.
My remote is not working (Outboard Battery)	The Bixpy Remote has been programmed to work in fairly close proximity to your battery pack (about 3 to 6 meters or 9 to 18 feet). Make sure your kill switch is engaged with the battery status lights on. Make sure your remote LED lights up when you press the stop button. If not, replace the battery (CR2032) and try again.

BIXPY WARRANTY

LIMITED WARRANTY

Bixpy warrants its hardware products against defects in materials and workmanship for a period of one (1) year from the date of original purchase, provided the purchase was made from an authorized Bixpy Dealer or directly from Bixpy. This warranty is void if the equipment is altered, misused, mishandled, maladjusted, suffers excessive wear or is serviced by any parties not authorized by Bixpy LLC. Bixpy Jets are made for recreational consumer use and are not warranted for commercial or rental use. The warranty does not include transportation costs incurred because of the need for service. Bixpy reserves the right to make changes in design and improve upon its products without obligation to install these improvements in any of its products previously manufactured and sold. For warranty services or for a copy of Bixpy's Warranty Policy including a complete list of exclusions and limitations, contact Bixpy LLC at 866-249-7910.

BEFORE you send us anything back to Bixpy, please contact our customer service to discuss your issue and obtain an RMA (Return Merchandise Authorization). There are strict limitations on shipping lithium-ion batteries. Please contact us for details on how to deal with defective battery packs.

We are not staffed to handle walk-in traffic at our headquarters in San Diego, so even if you are local, please do not bring your product to our offices unless you have made prior arrangements.

Bixpy®

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Registering your vessel

In certain municipalities, counties, states or countries, it is required that you register motorized kayaks, SUPs or canoes with your local licensing body. For example, in many US states, the state Department of Motor Vehicles (DMV) will require you to register your motorized kayak as a motorized boat. Please be sure to take the necessary steps to comply with local laws and regulations that apply to your vessel once motorize. In the US, a good resource to find more information is **www.takemefishing.org**. For the purposes of registration or exemption from registering in certain places, please note that Bixpy Jets are electric motors that produce less than 10 horse powers.

Product variation

Some of the products photographed may have slight differences from the products in the package, both cosmetically and functionally.



PATENT PENDING - PUB V: E-1.0 - 2017





HEADQUARTERS: 4901 Morena Blvd. STE 322, San Diego, California, 92117, USA

 info@bixpy.com

 www.bixpy.com

 1-866-BIXPY-10

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