

SEA EAGLE®



LongBoard Hybrid SUP

LB11 & LB126

Instruction & Owner's Manual

Congratulations on purchasing a Sea Eagle!

With over 45 years of experience in designing, selling and using these quality inflatables, we're confident that you are going to love your Sea Eagle and we're ready to proudly stand behind them.

Sea Eagle Warranty

All Sea Eagle products come standard with a 3 year warranty against any manufacturing defect that begins the date that your product is delivered. Sea Eagle will refuse delivery on all packages without a valid return authorization number and will not be responsible for the shipping or handling charges. To obtain a return authorization number, please contact Sea Eagle directly unless you purchased from an authorized dealer/reseller in which case you should contact them for more information.

Sea Eagle must inspect equipment in order to determine if there is a defect. In the event that an item must be shipped back to us for inspection, Sea Eagle will only reimburse the standard return shipping charge through FedEx, UPS or the U.S. Post Office at published shipping rates. Retail shipping outlets like The UPS Store will not be reimbursed and you will be responsible for handling and packing charges.

The Sea Eagle warranty does not apply to products that are manufactured by Minn Kota or Torqeedo. These products are covered by their own, respective warranties. Please refer to the manufacturer's warranty of each product for details.

If you received an item damaged, please call the shipping carrier to report damaged merchandise. Do not return damaged merchandise until it has been inspected by the carrier. Sea Eagle will be notified by the carrier when they have completed their inspection and if necessary, Sea Eagle will arrange for the repair or replacement of damaged merchandise.

Decals, Stickers & Registration

Always contact your state boating authorities for information on boating registration and regulations. Most states require you to register your boat if you are using a motor.*

Upon registration it may be required to provide the Manufacturer's Statement of Origin.

Purchases made through an authorized dealer or reseller may require for you to contact them directly in order to obtain this. You may be charged your own state sales tax if you were not charged sales tax at the time of purchase.

Registered boats generally require for the registration number to be applied to the boat. We do not recommend the

use of decals or stickers as they tend to crack and peel over time with the repeated inflation and deflation of your Sea Eagle.

Instead we suggest applying these numbers to a small piece of hard plastic or marine plywood and hanging it from your boat like a license plate if permitted by your state. Another method is to apply the numbers to the hull using either PVC based paint or permanent marker.

** The Sea Eagle LongBoard is not rated for use with a motor.*

Safety

In a manual of this type it is impossible to give adequate space to the topic of water safety.

It is your responsibility to be aware of and comply with all relevant safety regulations. For all water recreation or sport you should have a reasonable swimming ability. Just as swimmers have a cardinal rule about not swimming alone, it is strongly advised that you should never go boating alone. As a safety reminder, each Sea Eagle hull has a list of suggestions printed on it for you to follow that we call Boating Safety Basics.

Boating Safety Tips

- Always wear a USCG approved PFD (life vest) at all times while on the water.
- Be aware of your local boating rules and regulations and abide by them accordingly.
- Check inflation levels each time before you go out and inflate your boat for a full 24 hours before undertaking long trips.
- DO NOT allow children to use Sea Eagle unsupervised.
- DO NOT consume alcohol while boating or operating a boat while under the influence of alcohol or drugs.
- DO NOT drag your Sea Eagle over rocks or gravel if it can be avoided.
- DO NOT exceed the certified maximum capacities of this boat under any circumstance.
- DO NOT go boating alone.
- DO NOT use compressors, CO₂ or compressed air for inflation, only use Sea Eagle recommended pumps.
- DO NOT use your Sea Eagle Boat as a personal flotation device as they are not rated for that use.
- DO NOT sleep inside of your Sea Eagle while on the water.

Safety

Safety Equipment

The type of water conditions you are on should determine the type of safety equipment that you should have on board. For all types of boating we strongly recommend that every passenger wear a USCG approved PFD (personal flotation device) like a life vest. In most places this is a requirement by law, but from our point of view it is also an exercise of good judgment to have a PFD for all passengers

Important Safety Items

Drinking Water & Snacks: Kayaking is a physical activity that can work up both a thirst and a sweat and especially on a hot or warm day it is a good idea to have drinking water readily available to you to prevent dehydration. Bring a good amount of water for all passengers.

Extra Clothes/Layers: You never know when the weather can change and it's a good idea to come prepared with extra clothing. If you have a dry (waterproof) bag than we recommend storing them inside so they're not damp in case of emergency.

First Aid-Kit: The contents of the kit may vary depending upon your preferences, but make sure to carry a kit that reflects the possible dangers for the conditions you are in.

Manual Pump/Repair Kit: Although our boats are both durable and rugged, it may be possible that you need to make a repair while on the water in which case you'll need the repair kit and a manual pump to re-inflate the boat. If this is your first repair, you may also want to bring this instruction manual with you.

Sun/Rain Protection: A hat can protect both your face and head from the rain or sun. You may also want to carry sunscreen with you as both the sun and the sun's reflection from the water can do serious damage to your skin. If you are out for prolonged periods of time you may need to reapply sunscreen as needed.

Whistle: Having a whistle readily available to you in case of emergency is a great way to attract the attention of others if assistance is needed.

Always tell someone where you are going to be boating and what time you plan to return. Keep a cell phone in a waterproof container that will float if it falls in the water.

A great source of background information is Cecil Kuhne's *Inflatable Kayaking* (ISBN 0-8117-2810-2).

We strongly recommend this and other related reading materials to better educate yourself with kayaking.

If you are not an experienced stand up paddler, we suggest that you start in calm shallow flat water and practice for an hour or two before paddling out into deeper water. We also recommend that you do so when the water temperature is comfortable for swimming. Do not be discouraged if you fall in a few times. Standup Paddling is much like water skiing, it takes some practice and experience to be proficient. Give it some time and don't give up. This is a wonderful experience and pastime once you get used to it.

When getting on the board, have your SUP paddle already in your hand and make sure you are in deep enough water (1' or more) so the large skeg doesn't scrape the bottom.

Center your foot on the board and stand up bringing your other foot up onto to the board one or two feet in front of your other foot. Once you are standing, move your feet (one at a time) further to sides, one a little bit in front of the other.

Use your SUP paddle for balance, switching it side to side as needed. It is a good idea to get used to moving your feet forward and backward, always using your SUP paddle to counter balance your weight. As soon as you are comfortable, start paddling forward keeping most of your weight in the center of the board.

As you paddle forward, switching your paddle from one side to another, experiment paddling with longer and shorter strokes. Please note, you can paddle two strokes or more on one side if you have sufficient momentum. As the board turns to the other side, switch your paddle to correct.

The Basics: Sit Down Paddling

Before starting make sure that you have installed the deluxe inflatable seat on the SUP and its properly attached (as directed in this manual). The sit down position is ideal for using our optional foot rest as you'll paddle better and faster if you have a secure foot brace to push your feet against. For sit down paddling use the AB-30 kayak paddle.

Open Waters, Waves & Ocean Surf

Once you become proficient in paddling shallow water, you can expand your practice into deeper waters. When you feel comfortable with paddling on flat water in different wave conditions, you can consider paddling in ocean surf.

Again, we think you should go out on calm day to start. Try to pick a day with small waves that you can practice in. As you become used to smaller ocean waves, then try larger waves. Some knowledge of surfing and swimming in the ocean is very important.

These instructions are not sufficient to going into detailed surfing lessons. We suggest you go online and read up on surfing, if you do not have ocean surfing experience. There are many good surfing courses offered locally throughout the country that you might consider.

Bay, Lake & Ocean Paddling

Sea Eagle LongBoards can be used on lakes, bays and oceans. One thing you might notice if you are accustomed to hard hull kayaks or canoes is the natural yaw (side to side motion). The two small skegs and the large center skeg prevent most of the yaw. The way you paddle can prevent most of the rest of the yaw.

Big Paddling Tip: When you begin to paddle, paddle slowly at first, building speed with each stroke to control the natural yaw further and allow you to paddle straighter and faster.

Sit Down Ocean Surfing: The Sea Eagle LongBoard is a great pleasure on the ocean. If you're not familiar with the ocean should, you should take appropriate care, and always paddle within range of a lifeguard station.

Surfing Tips: Warm-Up

Always perform some warm-up stretches before entering the surf. This will reduce the risk of muscle injury or cramp while you're surfing.

Awareness

Make sure you're in safe waters. Like surfing or snowboarding and skateboarding, stand up paddlers sometimes fall when they are still beginners. Don't pass over any rocks or underwater debris shallow enough to hurt you if you go over. If you plan a long trip, consult a navigational chart to be sure that your path is clear of reefs, wrecks, rocks or other debris.

Wind Awareness

When standup paddling in windy conditions, a paddler's body will function as a sail. Paddling downwind is easy, but paddling upwind can be challenging. Make sure you're comfortable in light winds before venturing out on a windy day. Be aware of the forecast as winds can change unexpectedly while on the water.

Comfort Zone/Fitness/Food

You should only surf in waves that you are comfortable in. **NEVER** go into waves rougher than you can handle. **NEVER** lose sight of the oncoming waves. **NEVER** exhaust yourself in the ocean.

It's always better to end the day early and safe than to push your luck when you're tired. Make sure you're physically fit when surfing, you'll need to be able to swim back to shore if you lose your board at the end of an exhausting session. It is also a good idea not to go surfing until 45 minutes after a meal, the same as you would for swimming.

Practice

The best way to become a better at anything is practice, practice, practice. If you want to improve your abilities than you need to be in the water surfing as regularly as possible.

Priority

Always make sure that you are not taking anyone else's wave. Remember, the surfer who is closest to the breaking wave has priority. If you see someone already on a wave then the wave is taken and you'll have to wait for the next one.

When To Hold/When To Throw

HOLD onto your board when paddling out. You'll get out back to the line up more quickly and you won't put anyone paddling out behind you at risk. **THROW** your board if you are about to wipe out. You are far more likely to sustain an injury if you and your board are getting washed around together.

The Buddy System

Bring a friend! Having a swimming or surfing buddy is a fundamental principle that shouldn't be ignored. Even though the Sea Eagle LongBoard is designed for solo use, we recommend going out with at least one other person while on the water. Not only do we believe you will have more fun sharing this experience, we believe its a good idea to have someone with you in case you need help and the same for your friend if they need help.

Rips & Currents

A rip is a strong undercurrent in the ocean. You can recognize rip currents by looking for a channel of churning or choppy water, an area where the water is distinctly a different color, a line of foam, seaweed or debris heading out to sea or a break in the wave pattern. According to the NWS (National Weather Service) wearing polarized sun glasses makes it easier to see the signs of a rip current.

Escaping A Rip Current

If you are caught in a rip remain calm and conserve energy as you'll need it to swim back to safety. You may not realize you are in a rip current until you are suddenly further away from the shore than you realized.

It is important that you DO NOT SWIM TOWARD THE SHORE. Swimming towards the shore is like swimming upstream in a river and will tire you out before long. Instead what you should do is swim parallel to the shore in order to escape the rip current.

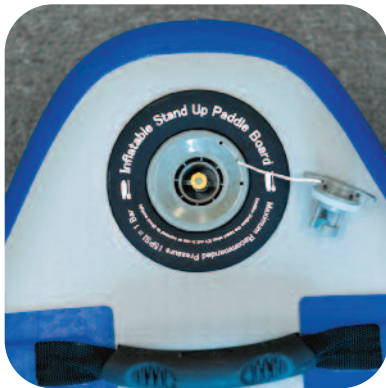
Once you feel that you're out of the current, turn towards the shore. If you cannot swim out of the rip current, calmly float or tread water until you are out of the current. Exhaustion is your biggest enemy, don't fight a rip current. When you are out, swim toward shore.



Recessed Air Valves
A recessed one-way air valve is featured on the Sea Eagle LongBoard for inflating your SUP.



With the pressure gauge in place you can now attach the hose.



Remove the caps, press and turn the valve stems counter-clockwise so that the stem is in the UP position. When the stems are in the up position the valve will retain air. The LongBoard has a working pressure between 12 and 15 PSI. Do not exceed 15 PSI.



Insert the hose with the recessed valve adapter into the manometer and twist it to lock. Hold the manometer when twisting the hose. At the end of the pump hose is the recessed valve adapter (shown below).



Hand Pump
This T-handle pump can easily reach the working pressure for the LongBoard. The pump comes with a mesh bag, manometer (pressure gauge) and a hose.



When ready to inflate, insert the adapter into the valve, turn it to the right until it is fully seated and then begin inflation.



You'll find that on the top of the pump reads the word inflate with an arrow pointing to that port. Locate your inline pressure gauge and attach it here.



The LongBoard is fully inflated when you reach the working pressure (between 12 to 15 PSI).

DO NOT exceed 15 PSI when inflating.



BTP Turbo & BP12 Electric Pumps (OPTIONAL)

These electric pumps comes with a nylon shoulder carry bag, 12V DC power supply, hose and adapters.

Take adapter number #1 and firmly push it into the grey tube in the end of the hose. Make sure that the adapter is fully seated on the tube by pushing it until the end of the tube pushes past the raised ring in the adapter.



WARNINGS: Keep out of the reach of children, Don't leave running unattended. Do not use inflator for more than 20 minutes continuously as this can cause overheating and damage.

Connect the other end of the hose to the red inflation port at the top of the pump, located near the ON and OFF buttons.



The carry bag has compartments for the pump, battery hose. Protect the inflator from sand by keeping it in the bag provided, if sand gets in the inflator it could get JAMMED.

Adjust the pressure dial to read between 12 and 15 PSI, the operating pressure of your Sea Eagle. PSI is marked in red on the dial.



Included are a cluster of adapters, with raised numbers on each arm of the cluster. The adapter marked #1 is the only adapter needed to inflate your Sea Eagle.

ATTENTION: Never turn the dial when the device is under pressure as this will immediately cause the instrument to break.





Connect the quick connector at the end of the power cord into the quick connector attached to the pump.



To charge the portable battery, plug it into the charger and then plug the charger into a household electrical outlet.



To connect the pump to a 12V battery, use the cord with alligator clips at the end of the extension cord. Connect the red clip to the positive pole and the black clip to the negative pole.



The light on the battery charger will blink red until fully charged. When it is fully charged the light will be a solid green.



WARNING: Always connect red clip to the positive pole and the black clip to the negative pole. Cross connecting wires could damage both the pump and boat.



Press the ON button to begin inflation. The pump operates in two stages which can be identified by the noise of the turbine at the start, followed by the piston.

The pump automatically stops once the pressure is reached.



The portable battery is optional, if you ordered it, connect the battery to the quick connector on the pump.



Air compressors that are designed for other uses like tire inflation (usually around 50 PSI) can easily harm your Sea Eagle which has a much lower working pressure. It's for this reason we recommend only using Sea Eagle electric pumps.

Locate a relatively clean area that is free of sharp objects.



Unpack your Sea Eagle SUP from the bag and lay it out flat.



The pressure gauge will not begin to register until the board begins to get pressurized. Pump until the working pressure of between 12 and 15 PSI is reached. Do not exceed 15 PSI when inflating.

Skeg

A large removable skeg is included with your SUP for improved tracking. Make sure that the key lock is in the out position of the skeg (as pictured) before sliding the skeg into the base.



Deluxe Kayak Seat (OPTIONAL)

The Deluxe Kayak Seat (DKS) has two internal bladders, two white one-way valves, and two blue straps with clips for securing the seat to the D-rings onto the EVA foam Diamond Deck Pad.



Slide the skeg into the base located underneath the stern of your SUP. Once inserted, slide the key lock that is attached to the skeg through the small gap in the base to lock into position. If the skeg won't slide in, do not force it.



One-Way Air Valve (Found only on DKS)

Tether the valve cap onto the base of the seat by stretching the retainer ring to fit over the groove in the base. Soaking the retainer ring on the valve caps in warm water will make installing the ring over the base easier.



Insert the pump hose with the recessed hose adapter into the valve and turn clockwise to lock into place and then begin pumping.



The hand pump comes with a second hose that has a smooth valve adapter attached at one end. Use this adapter to inflate your DKS.



Insert the adapter into the valve and inflate the chambers. The back takes 12-14 strokes to inflate and the base takes 6-7 strokes.



ATTENTION: One of the shaft halves has 3 pre-drilled holes for feathering. By feathering the paddle, the blades are offset from each other so that when one blade is in the water, the other is at an angle to slice through the wind with little resistance.



Stand Up Paddle

This three-part paddle has a T-handle, shaft and blade. Insert the blade into the shaft and align the hole with the button to lock in place. Insert the T-handle and adjust to the desired length.



Inserting the shafts into the wrong ends may cause of friction and you may not be able to take your paddle apart. Make sure that the 3 pre-drilled holes make up the center of your paddle shaft.



Carbon Fiber SUP (OPTIONAL)

This three-part paddle has a carbon fiber T-handle, shaft and blade section. Insert blade into the shaft and align the hole with button. Insert the T-handle and adjust to the desired height. Lock with the thumb lock.



Begin by connecting the two halves of the shaft together, inserting the push pin on the end of one shaft into the end of the other shaft that has the 3 pre-drilled feathering holes.



Kayak Paddle

The asymmetrical spoon blade design of this kayak paddle will allow for a smooth entry and an even pull, maximizing the power from each stroke. They will also require less gripping force.



Next, slide the drip guards up the shaft to about an inch above the button hole. Insert the blades into the shaft and adjust until the button locks the blade in place.

DEFLATION



To deflate, push down on the center valve stem and quarter turn it to the right. The stem will stay in the down position, allowing the air to escape. Be sure that your eyes and your face are not directly over the valve.



Backpack Carry Bag
Next you can store your fully deflated and folded LongBoard inside the carry bag. If you've taken your time and rolled tightly, you should have plenty of room for a paddle (broken down), seat, pumps and other small items.



Start by folding from the stern (back) toward the valve in the bow (front). Make the first fold between the end and the skeg base and make the second fold a little past the base so the base can lay flat. A warped base will not allow the skeg to slide in smoothly.

CLEANING



To avoid mildew, it is important to make sure that your boat is clean and dry before storage. While cleaning your Sea Eagle, it is also very important to make sure that the valves are closed (preferably with the caps on) so that no water enters the inner chambers of the board.



Make the next fold which will bring up the skegs. Place the skeg protectors over the skegs to protect them from being folded over.

STORAGE

In extremely cold temperatures, PVC material becomes brittle. You can still safely store your Sea Eagle in these conditions, so long as you avoid dropping it and so long as you do not subject it to any sudden impacts. Although you can store your board fully inflated, you may wish to store your Sea Eagle rolled up inside of the bag.

If you're planning to leave your Sea Eagle outside, be sure to keep it raised up off of the ground. Its also a good idea to keep it covered so that it is not directly exposed to berries, leaves, rain, sunlight and other elements. Sea Eagles that are left in water will most likely have to be emptied from time to time.



Continue folding until you reach the bow of the board, pushing out any excess air in the process.

Make sure that your boat and accessories are dry before storing to remove moisture that could cause mildew. Choose a cool, dry spot when storing in an enclosed area like basement, closet or garage.

Rodent proof the storage area. Mice, squirrels and other small rodents can do a lot of damage to your Sea Eagle.

Avoid excessive heat when storing your kayak. Do not store Sea Eagle in an attic or metal shed.

TROUBLESHOOTING

ATTENTION: If your Sea Eagle is losing air, this does not necessarily mean that you have a hole.

For instance, a boat that is inflated late in the day with 90° air may cool 20° overnight. The cooler air will exert less pressure on the hull and the boat will appear softer the next morning.

When there has been no variation in temperature and your boat is losing air then it is time to start looking for the leak.

Step #1. LOOK

Visually inspect the boat from a few feet away and if necessary, flip it over and closely check the outside. Any large leaks when your boat loses a considerable amount of air should be clearly visible.

Step #2. TIGHTEN

Be sure to check the tightness of the one-way recessed valves as well and if necessary, tighten them with the valve wrench included in the repair kit canister.

Step #3. LISTEN

If you have a rough idea of where your leak is but can't see it, you may want to try listening for it as you may be able to hear the air escaping and pinpoint the leak.

Step #4. Soap & Water

Inflate the boat to full pressure. Mix a couple of table-spoons of dishwashing liquid in a bucket of water. Spread the soapy water on the leaking chamber with a large sponge or hand towel. The leak may produce bubbles or make whistling or sputtering noises. Often, spray bottles don't work.

Even though our Sea Eagles are very rugged and tough, you may still experience the occasional puncture through use of your boat. Fortunately most repairs are fairly easy and only take a few minutes.

REPAIRS



Repair Kit

All Sea Eagles come standard with a repair kit which includes PVC patches and PVC glue. Repair kits also include a recessed valve adapter and a valve wrench.



PVC Based Glue

For repairs on our boats you will need to use a PVC based glue. We suggest this 12 oz. can of Vyna Bond if you need more glue than what comes standard in the repair kit.



Pinholes

Deflate your boat and thoroughly clean and dry the area that is to be repaired. For small punctures less than 1/8" apply a small drop of glue and allow 24 hours to cure.



For immediate use allow 30 minutes to dry and then inflate the compartment with the repair only 3/4 full and be sure to make a more permanent repair later.



Patching

The most common repairs are a puncture or small cut. A penny size patch is sufficient for repairs of this type.



Mate the patch to the boat and smooth down until the patch adheres. Do not inflate, allow at least 24 hours to cure before inflating.



Trace the outline of a penny on the patch material and cut using scissors. Trace the outline of the penny on the boat. Coat the patch and boat with the repair kit glue.



Wait about 5 minutes or until the surface of the glue hazes over then apply the patch. Do not apply wet glue to wet glue.



If you have access to electricity, heat the glue with a hair dryer then apply the patch. This method produces the best results.

Patching Tips:

- The the chamber must be deflated or the air will force a path through the glue.
- Keep the patch size to a minimum, the bigger the patch, the harder it is to seal. The most common repair failures occur because the patch is too big.
- For repairs larger than a puncture, overlap the damage area by about $\frac{1}{2}$ " on each side.
- Do not apply the patch while the glue is wet.
- Covering a leaking patch with another patch rarely fixes the problem. To remove a patch, heat it with a hair dryer and peel it off.
- Never use a heat gun on your boat.
- Clamps and weights are not needed.

Warped Skeg or Skeg Base

If the skeg is bent from storage or use, heat it up with a hair dryer and bend it back into shape. It will hold it's shape after it cools. The same can be done with the skeg base. If not folded properly, the base can get warped in storage. Never hammer the skeg into a warped base as it will break the skeg.

Leaking Drain Valves

If you suspect the drain valves are leaking they can be tested by pouring some water in the boat and checking under the boat for water dripping from the valves.

Flush any sand or debris from the threads. Check where the caps screw into the floor that the O-rings are smooth and without dents.

If you see a dent in an O-ring, heat it up with a hair dryer, and the dent will ease out and return to its original shape. This also works if the base is bent or misshapen.

OPTIONAL ACCESSORIES



Inflatable Belt Pack (OPTIONAL)
U.S.C.G approved for persons at least 16 years old! Fits around your waist to provide a non-restrictive range of motion. Pull the rip chord to deploy (CO2 charged) or inflate or deflate manually. Universal sizes (chest sizes 30" to 52").



CO2 Refill Cartridge (OPTIONAL)
33 Gram refill cartridge for PFD Inflatable Belt Pack. Specific bayonet assembly, instructions included.



SUP Leash (OPTIONAL)
This 10' coiled leash is made out of recycled urethane and stays close to the board to prevent drag. Heavy duty velcro straps attach to your ankle and to the D-ring on the stern of the board.



Car Straps (Set of 4) (OPTIONAL)
Made of high quality nylon, these 4' straps have a machined steel latching mechanism that will keep your boat securely in place on your car or boat.



Life Jacket Whistle (OPTIONAL)
Bright orange whistle can clip onto your life jacket or used with the included lanyard to hang around your neck or wrist. Whistle has no parts or balls that can jam or corrode



See-me Safety Light (OPTIONAL)
Ideal for paddlers, boaters and stand-up paddle boarders, this Coast Guard approved LED personal safety light emits a 360° light visible up to 3.4 miles. It also attaches to a PFD!