



**Installation Guide: *Fishfinders***

## **Tools Needed:**

Wire Strippers  
Vise Grips  
Lighter or Heat Gun  
Marine Goop  
Electric Drill  
13/16" drill bit  
(2) large pairs of pliers, such as channel locks  
Phillips head screwdriver  
Utility Knife  
Dish soap  
Duct Tape

These instructions are for Eagle and Lowrance fishfinder models with a single power/transducer plug. (eg. Eagle Cuda 168, 242, 250, Lowrance X67C, M68C). Other models may require a larger wire seal and may not withstand the elements quite as well as these proven fishfinders.

## **STEP 1: DETERMINE LOCATIONS**

Decide where the fishfinder head unit, transducer and battery will be mounted.

*Note:* The head unit will need to be placed in an area with enough room behind it for the wire seal to fit. Make sure you have access to the underside of this area as well. The transducer must be placed inside the kayak, on a flat surface where it is angled directly downward. It will shoot through the plastic. The battery is also placed inside the kayak.

## **STEP 2: MOUNT THE HEAD UNIT**

- A.) Screw the base in using self tapping stainless steel screws. Make sure the fishfinder is facing straight.
- B.) Drill a 13/16" hole about 1" directly behind the head unit.

## **STEP 3: INSTALL THE WIRE SEAL**



- A.) Remove the wire seal from packaging and unscrew the large cap.
- B.) Inside of the threaded cylinder is a black gasket similar to the grey one but thinner. Remove this gasket by prying it out with a screwdriver. Note the orientation of the gasket as you'll be replacing it with the grey one later (which side is up, which is down).
- C.) Cut off the two small triangular "ears" on the head of the transducer plug using a utility knife.
- D.) Place the threaded ring from the wire seal over the head of the plug.
- E.) Reach inside the kayak and stick the head of the plug up through the 13/16" hole behind the head unit.
- F.) Stick the plug through the threaded cylinder of the wire seal (dish soap may be necessary)
- G.) Place the grey gasket over the head of the plug and slide it into the threaded cylinder.
- H.) Place the large cap over the head of the plug and lightly screw it in place on the threaded cylinder.
- I.) Stick the threaded cylinder in the hole and adjust the wire to the proper length.
- J.) Remove wire seal from hole and tighten the cap by using two pairs of pliers. Tighten until the grey gasket has sealed around the wire.
- K.) Place wire seal back into the hole and screw the threaded ring onto the underside of the wire seal. Hand tighten.

#### **STEP 4: MOUNT THE TRANSDUCER**

- A.) Run the transducer and wiring inside of the kayak to the selected location.
- B.) Place a 6" strip of duct tape across the top side of the transducer, leaving the ends hanging off each side.
- C.) Make sure the surface is clean and dry.
- D.) Completely cover the bottom of the transducer with Marine Goop making sure not to leave any gaps or air bubbles (tiny bubbles are ok).
- E.) Lightly roll the transducer onto the bottom of the kayak and press down firmly once it is straight up and down. Press down tape to keep in place.
- F.) Tape the wire coming off the transducer in a position which doesn't pull the transducer to one side.
- G.) It may be necessary to add additional tape to keep the transducer in place.
- H.) Periodically check to make sure it hasn't shifted.

#### **STEP 5: WIRING**

- A.) If extending the wiring is necessary, follow these instructions. If not skip to STEP 6.
- B.) Carefully strip the ends of the power wires (scissors or the cutting edge of the wire stripper will probably be necessary).
- C.) Crimp heat shrink butt connectors on each wire using the vise grips.

- D.) Strip the ends of additional wire and crimp to the other end of the butt connectors.
- E.) Heat connectors with a lighter or heat gun until the heat shrink bubbles out of the ends.
- F.) Extend wire to desired battery location and cut. Make sure to allow for enough slack for easy plugging in and out of battery. If you're using a dry bag for your battery leave enough slack to roll the wiring up in the top of the bag.

#### **STEP 6: CONNECT THE BATTERY**

- A.) Cut the loop on the fuseholder and insert fuse.
- B.) Hold the end of the fuseholder next to the end of the positive wire and cut the positive wire the length of the fuseholder.
- C.) Connect fuseholder to positive wire using a heat shrink butt connector.
- D.) If using a dry bag for your battery, connect terminal connectors to the ends of both wires. If using a HookedOnKayaks Battery Box, remove the rubber boot on the male end of the deck connector and slide it onto the wiring. Strip the ends of the wires and back out the set screws in the connector just until you can no longer see them in the cylinders. Stick the wires into the cylinders and screw set screws back in. Cover the back end of the connection with Marine Goop and slide the boot back over the connector.

**Your installation is now complete. Allow the transducer to dry overnight before contacting water. If you have any further questions please give us a call at (562) 592-0800.**