

## Start a Feeding Frenzy with The HydroWave

### ***Can Fish Hear? YES!***

#### ***Fish Science***

It's a known scientific fact that fish hear and sense movement in the water with both their 'ears' and with the area that join their body to their tail called the Lateral Line. The Lateral Line is a sensory organ consisting of fluid filled sacs with hair like sensory apparatus that are open to the water through a series of pores. The lateral line primarily senses vibrations, water currents, pressure, and movement in the water. This allows them to determine the direction of their source.

#### ***Product Development***



Several years ago a Dallas businessman and competitive bass angler Gene Eisenmann introduced the concept of building a device that produces the natural sounds of bait fish and predatory fish feeding on them. Together with Engineer Robert Palmer, Professional Bass Fishermen Jeff Kriet and Kevin VanDam, they joined forces that lead to the designed and development of the HydroWave.

The HydroWave is a patented electronic device that produces sound that causes an instinctive response in nearby predatory fish such as bass, crappie and walleye. Predatory fish can hear the sounds and feel the vibrations of the sound waves in the water. Fish are drawn in the direction of the device eager to strike any bait it sees. This gives fishermen an advantage in catching active fish.

#### ***Sound Production***

The science behind HydroWave is called Tactile Sound Transmission (TST). This sound is different from ordinary sounds because it's sounds that you can feel. It's like stopping your ears up and feeling the sound of a subwoofer. Fish hear on the same type of physical level and frequency. Sound travels further and faster in water than it does in air, around 4.4 times as fast, about 5,000 feet per second. The speed combined with the poor visibility of water is the reason that fish rely heavily on vibrations and water movement to detect their prey. There is tons of sound clutter in the water, outboards, trolling motors, etc. Fish have developed keen senses that allow them to precisely identify the clutter from prey and feeding activities of other fish. Predatory fish use sound to help them find their prey and bait fish can sense these sounds from great distances.

The HydroWave integrates both Lateral Reactive Technology (LRT) and Vibration Reactive Technology (VRT) to provoke predatory feeding responses. LRT is a vibration wave that operates at a frequency level that stimulates a predatory response through the Lateral Line. The HydroWave produces the same vibration frequency created by shad and other bait fish; remember I told you fish could hear. VRT is a vibration wave that stimulates a predatory response from fish through their inner ear. This vibration detection is so precise that predatory fish can distinguish between vibrations of prey and other sources. This explains how blind fish continue feeding. This is why the "HydroWave Ignites a Feeding Frenzy".

#### ***The True Test – The Pros and Their Testimony***

Fishermen know it works, 105 out of 108 BASS Elite Pros use HydroWave. The HydroWave has played a major part in many top finishes. Randy Howell even credited the edge HydroWave gave him in his 2014 Bassmaster Classic win.

Professional Crappie Fisherman Jim O'Donnell says, "I fished the 2013 Crappie Masters Classic on Grenada Lake along with 193 teams from around the country. I'm giving a lot of the credit to Hydrowave for my fantastic finish. For me it made all the difference when I was running my Hydrowave I could get good quality bites and when it was off I couldn't buy a bite. In this tournament there were 193 of the best crappie fisherman in the country and only 7 of the teams were able to put together 14 fish over the two days and I was one of them. Most we're fishing deeper water and I was fishing it two to four foot of water."



Kevin VanDam says, "I've always paid attention as to how fish seem to feed and respond to each other while in competition for food. Like most bass fishermen who spend a lot of time on the water, I've witnessed situations where a school could be fired up by getting just one fish to bite. Igniting those kinds of flurries during a tournament day can be a huge advantage. HydroWave is about providing that stimulus for that first response to get things going."

Bass Pro Jeff Kriet says, "Most electronics have way more choices than what a fisherman would ever need, much less

remember how to use. When fishing, I want to be able to push a button or two and get right back to casting. Trust me; HydroWave is built for simple operation."

Professional Crappie Tournament Fisherman Dan Dannenmueller says, "I've used the HydroWave over three years. It was definitely worth the investment but realize, there are times it will not work but more than not it will work. It causes frantic schooling, even in cold water and rainy conditions. The HydroWave works great in deep or shallow water, if over 20 feet, a lower speaker works better".

Dannenmueller continues, "I have had to profound successes that the Hydrowave played a significant role in my success in a CM tournament on two different lakes. One was on my Alabama River. Jeff Sweiterman, from Texas, and I were fishing a qualifier on my river. We were in a very good area and we had caught 7 very strong fish and were sitting in third place after the first day. On the second day, we had a very significant front come into the area. Blinding rain, wind, etc., we caught 5 big blacks and were beginning to struggle to catch the last two as the skies were beginning to clear and the pressure rise. We turned on the Hydrowave and began working the area as one of the last major rain events came through. The water temperature was in the 50s and we had not seen a single fish move in an hour. All of a sudden as we were slow trolling, I could hear the swooshing sound of shad on top, really rare that early in the year. We crossed a point and all of a sudden, Bass and Crappie began schooling on the shad. I moved the spider rigs into the action and we caught another big fish and one good one that needed to be culled later. We ended up in third place in the tournament only tenths out of first. We culled the last fish several times but just couldn't get the last slab because we ended up with blue bird skies but the Hydrowave saved third place for us."

Freelance Outdoor Writer and Professional Photographer Brad Wiegmann said, "I used the HydroWave for nearly two years. I believe it has increased my catch ratio, however, the reason why might surprise you. The HydroWave was designed to mimic noises of baitfish or other prey game fish fee on. The game fish hear and feel the sound-reacting in a positive manner, sometimes stimulation a feed response. Kind of like two kids fighting over a limited source of candy, one fish will grab the lure and swim quickly away causing other fish to go crazy trying to find something to attack. I also believe the main reason HydroWave stimulates a feeding response is it gets baitfish more active. Anytime it's on and you get within a certain distance, shad will pop the surface or even start darting or swimming around. Active bait fish simulates fish into biting. My home lake is Beaver Lake in Central Arkansas; it has tons of fishing pressure. Any advantage makes a big difference. The HydroWave is definitely worth the investment if you use the settings correctly. Biggest

mistake is setting the volume too loud. In my opinion the HydroWave will pull game fish up in the water column. It excels in shallow water and it works in deep water under certain situations”.

### **Conclusion**

All of the sounds and sound loops come programmed into the unit's software. There is no loading of programs and/or sounds required. Operation is truly a pick and play procedure. The actual HydroWave H2 unit features a durable injection-molded housing that is 100-percent water resistant. It also mounts easily on the boat's bow area with a bracket or Velcro, which are both included. (Optional transom-mount available through HydroWave)



The Hydrowave H2 speaker mounts on the underside of the trolling motor's lower unit, fitting all models of trolling motors (zip ties included). The speaker is multi-directional so it doesn't matter which way the trolling motor is pointed, and it snugs up smoothly against the unit for a perfect, hydrodynamic fit. The unit operates on a 12-volt power supply.

Finally the HydroWave is priced affordably, starting at \$139.99 for the HydroWave Mini for anglers fishing from a kayak, jonboat or even from the bank. The Hydrowave Incept model is priced at \$249.99, the classic model is priced at \$299.99. The top of the line flagship H2 model sells for \$469.99.

So if you want that extra advantage that the HydroWave can offer better get you one. The boat next to you just may be equipped with one, I know mine is. Just seeing fish school is enough to convince me.