



The Quattro-DB® and Mezzo-DB™ are state of the art, algae and biofilm management systems employing patented, advanced ultrasound technology. Working in harmony with the surrounding environment, our systems disable algal growth cycles, resulting in its rapid eradication.

*Inexpensive operation!*  
*Easily installed!*  
*Fast Results!*

**Cleaner and Safer Water!**

**Benefits Include:**

- Reduced Biofouling - Reduced Turbidity
- Reduced THMs - Reduced HAAs - Reduced pH
- Reduced Chlorine Usage - Increased Filter Life
- Improved Water Taste - Reduced Water Odors

- WIDE RANGE of applications include:
- Lakes, Reservoirs, Marinas & Docks
  - Waste Water Treatment Facilities
  - Irrigation Basins
  - Clarifiers and Sedimentation Basins
  - UV Chambers
  - Distribution Water Tanks
  - Ponds, Pools, Fountains and Aquariums
  - Aquaculture and Agriculture

In house manufacturing & multiple carrier options ensure maximum quality control, timely shipping, and economical delivery.





Since 2016, Hydro BioScience, LLC (HBS) and Diversified Power International, LLC (DPI), have been pioneers of worldwide patented Ultrasonic Algae Remediation systems and technology, as proven through thousands of system installations. As stewards of the environment, with regard for public safety, HBS is driven to lower the chemical footprint. Through continued scientific research and product innovation, HBS commits to providing you, our valued customer, with ever improving functionality, quality, and affordability.

 Products available from:

**AWE**

Environmental Services

[www.aweenvironmentalservices.co.uk](http://www.aweenvironmentalservices.co.uk)

Telephone No: 01244 980534

 **Eco Driven Solutions™**

**Quattro-DB®**

**Mezzo-DB™**



**Ultrasonic Algae, Biofilm and Biofouling Prevention Systems**

EPA registered.  
 Completely safe for people & pets.



**NEW  
2022  
DESIGNS!**

# Sonic Head Transducers

Included in your algae management system:

- Appropriate power supply
  - Warning/Position flag
  - New high visibility design buoy\*
  - 316 stainless steel chains
  - 2 meter cable. Custom options up to 1000 meters available.
- \*Several buoy options available including harsh environment buoy.



## Mezzo-DB™

The Mezzo-DB™ operates in a bi-directional pattern for narrow channelled applications.



## Quattro-DB™

The patented Quattro-DB™ emits thousands of ultrasonic frequencies in a 360°, linear, line of sight pattern, to manage:

- Up to 120 surface area acres for Blue-Green Algae.
- Up to 17.5 surface area acres for Green Algae.
- Up to 2.8 surface area acres for biofilm and diatoms.

With the SoloRaft-iQM™, our state of the art, intelligent water quality monitoring system, the HBS Quattro-DB™ & Mezzo-DB™ algae management systems provide a complete set of tools to positively affect water quality problems before they blossom into larger harmful, and sometimes deadly, environmental health related issues.

## Power Options

Our ultrasonic transducers are powered, depending on your application, by one of the following, safe, low current, power supplies & can be monitored remotely via wireless, cellular and RF.



**85-264 VAC Universal Power Supply**  
For land based power. International applications. Wireless, serial and RF communications. Unit can power 2 separate sonic heads.

Connected to AC power supply



**24 Volt AC/DC Power Supply**  
Specifically designed for applications where 24V is supplied for pre-existing fountains, bubblers etc. Commonly used on golf courses. Wireless, Serial and RF communications. Can power 2 separate sonic heads.

Hardwired to your existing 24 Vac/dc power supply.

### Serial Communications Ports



**Solar Controller**  
Connects to our land or raft/pontoon based solar panels, correctly manages battery charging and powers 2 or more sonic heads. RF, Serial and wireless communications are built in.



**SoloRaft-iQM™**  
Intelligent water quality monitoring system

Power consumption is 11.2 watts average on 120 volts AC (about \$11 per year at \$0.11/kwh!)



The correct application of the Quattro-DB™ and Mezzo-DB™ algae management systems will positively affect the water environment in as little as 14 days.

HBS products, such as the algae management & monitoring systems, are patent pending or patented in various countries worldwide.

All products advertised, excluding manta® probes & solar panels are PROPRIETARY HBS, LLC, PRODUCTS.

