

**Ultrasonic Algae and Biofilm Control Technology**

Providing environmentally safe and efficient control of algae and biofilm growth.

**Multi-Application Algae and Biofilm Control:**

- Lakes and Reservoirs (up to 120 acres/device)
- Waste Water Treatment Lagoons
- Irrigation Basins
- Clarifiers and Sedimentation Basins
- UV Chambers
- Distribution Water Tanks
- Ponds and Pools
- Fresh and Marine Aquaculture - Reduces off-flavor

**Powered by:**

- Solar: Land or Pontoon based systems
- Power Supply Systems:  
 AC - 85 to 240 Volts, 50 or 60 Hz compatible  
 DC - 24 Volts
- Each power supply supports two ultrasonic units for Dual operation.

**Features:**

- 2000+ distinct frequencies spans multiple bandwidths
- Energy efficient low cost ownership
- Cable lengths to 250 meters (820 ft.) available
- Mezzo DB - two emitting beams at 180°;  
 Quattro DB - four emitting beams covering 360°
- Single unit coverage per device:  
 \* Green algae and diatoms up to 17 acres  
 \* Blue-green algae up to 120 acres

**Operation**

- Disables algae using critical structural resonance without harmful cavitation.
- Bacterial biofilm growth is controlled by mimicking continuous water turbulence to prevent colonization.

**Solar Land Based Application**



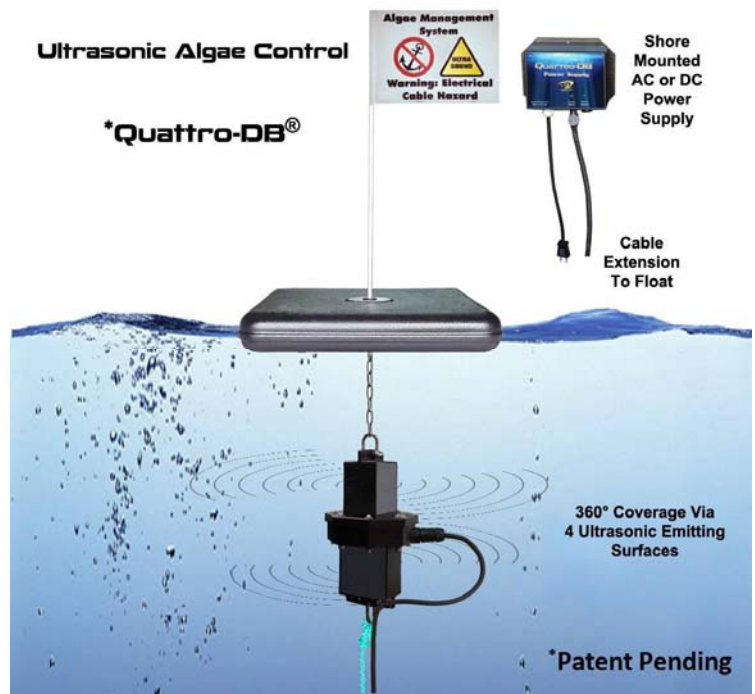
Quickly reduces pH and percentage of total suspended solids. Reduces algae in the intake stream and increases filter run times.

Lowers biofilm growth in process equipment and reduces chlorine usage, THM's and HAA's.

Improves water taste and reduces water born odors.

Navigation lights on pontoon systems for navigable water operation.

**Solar Pontoon Float Application**



For Sales and Application Assistance in UAE, contact:

**AGD Electromechanical LLC**

Office 405 Diamond Business Center 2, Arjan  
 Post Box 102959, Dubai, United Arab Emirates  
 sonic@agd-uae.com; [www.agd-uae.com](http://www.agd-uae.com)  
 Tel.: +971 4 4410436