

Quattro DB 360 and DB Globe Installation Guide

PIG-QDB-001 | Installation | Intended for: Installer

Model orientation

- Quattro DB 360 provides 360-degree horizontal ultrasonic transmission.
- Quattro DB Globe directs ultrasonic energy downward and is selected where geometry or target conditions favour downward coverage.
- Confirm the exact model, cable length and installation layout before deployment.

Location and mounting

- Place the transducer where it has the clearest practical acoustic path through the target water area. Islands, sharp corners, heavy structures, dense vegetation and irregular geometry may create shadowed zones.
- Keep the transducer submerged at the approved operating depth and prevent contact with the bottom, banks, boats or moving machinery.
- Use the approved float or mounting arrangement and secure it with suitable ropes, anchors or supports for the site.
- Route the electrical cable without sharp bends, crushing, abrasion or tension at the connector. Protect shore connections from flooding and unauthorized access.
- Keep high-turbulence equipment and strong nano-bubble discharge jets away from the ultrasonic transducer. The ultrasonic float and the nano pump-nozzle loop are mechanically separate systems.

Electrical and startup

- The Quattro power supply accepts 85-264 VAC where specified for the supplied unit. A qualified electrician must confirm local voltage, grounding and protection.
- Do not energize the transducer out of water unless the current manufacturer instruction specifically allows it.
- After installation, record the equipment serial number, cable length, GPS position, water level and installation photographs.
- Confirm normal controller indication and retain the commissioning record.

Maintenance

- Inspect the float, transducer face, cable, anchors and shoreline connection weekly during initial operation.
- Clean fouling from the transducer and float without abrasive tools. Begin weekly, then move to monthly only when site history supports the longer interval.
- Recheck position after storms, water-level changes, ice, vessel activity or maintenance work.
- Do not open sealed components in the field. Contact Puroxi for service guidance.

Important: Ultrasonic algae control does not control rooted or floating aquatic plants such as cattails, hydrilla, water hyacinth or duckweed. Confirm the target organism before installation.