

Deluxe Hydrophone Instructions



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Your Partner in Swimming Pool Water Conservation

The Deluxe Hydrophone Package provides you with everything you need to start listening for leaks underwater using the Deluxe Hydrophone. In addition to the hydrophone itself the package includes a basic Rolls amplifier, over-ear headphones, and a case. The Deluxe Hydrophone can also be adapted to work with an XLT17 or XLT30 amplifier for greater control and filtering capabilities.

Basic Package:



Set Up:

1. Assure pool is filled to a normal operating level.
2. Turn off circulatory system.
3. Attach the hydrophone to the back of the amp in the CHANNEL 1 input port.
4. Plug headphone into OUTPUT port on the front of the amp.
5. Set CH1 knob to highest setting and assure that HEADPHONE output knob is at 0.
6. Lower the hydrophone into the pool. Push the POWER switch on the back of the amp, (OUTPUT LEVEL should be set to "MIC"). Carefully turn the HEADPHONE output knob to the desired level.

Finding Leaks:

Check suspected leak areas with the Hydrophone

- Skimmers and Returns – The hydrophone can be pushed or dropped into plumbing lines and slowly moved around the bonds between fitting and pool shell.
- Lights– remove the light and check inside the light niche paying special attention to the conduit and where it attaches to the niche. Also check the seal around the niche where the niche bonds to the pool shell.
- Main Drains and Cracks – To reach these location in the bottom of the pool it is helpful to tape the hydrophone to the end of a telescoping pole.

Most leaks will create a “jet engine” type of sound that increases in volume as you move closer to the leak.

Tips:

- You can get a good idea of the type of sound you are listening for by discharging a syringe underwater.
- Turn the volume down or use the mute switch when moving from one area to another.
- Leaks near the surface may be more difficult to hear because of the reduced pressure forcing water out of the leak, and because of confusing surface noises that are transferred into the water. Use the frequency filter to eliminate confusing noises and highlight the leak sound.