

Connecting the Clark AQ339 U/W Speaker to the Inter-M A120 Amplifier

IMPORTANT!: Please mount amplifier and any related audio equipment in a vented cabinet or equipment rack, located in an indoor area of low humidity. Connect AC powered audio equipment to audio grade power strip and grounded GFCI outlet as required under National Electric Code. Test GFCI before each use. Always vacate the water at the first sign of inclement weather and lightning storms.

1. Read and understand the owners manual that came with the AQ339 underwater speaker and the Inter-M A-120 amplifier. Electronic copies may be downloaded from following link: <http://www.lubell.com/AQ339.html>
2. Equipment operator must be dry and wearing rubber soled shoes when operating equipment.
3. Swimmers must be supervised when equipment is deployed, and must not be allowed to dive or swim in vicinity of underwater speaker.
4. Install amplifier indoors in a vented equipment cabinet or on shelf -- do not connect power cord yet.
5. Inspect the cord on the underwater speaker and amplifier -- DO NOT USE equipment if the cord is damaged. Do not attempt to self repair the amplifier or the underwater speaker if damaged. The amplifier and the U/W speaker must be returned to the manufacturer for service if damaged.
6. Connect the AQ339 underwater speaker to the A-120 amplifier by connecting the black speaker wire to the COMMON speaker terminal and the white speaker wire to the 4 Ω speaker terminal; Tighten set screws firmly. If the AQ339 & A-120 have been fitted with optional isolated 1/4" connectors, simply plug the AQ339 into the amplifier jack labeled "AQ339".
7. Attach a rope to the flange on the underwater speaker, and position accordingly (max depth 15').
8. With power off, connect amplifier and any interconnected equipment to audio grade surge protected power strip; connect outlet strip to GFCI outlet only; Test GFCI before each use.
9. Using a standard RCA stereo patch cord, connect the stereo LINE OUTPUT from your CD or tape deck to the stereo AUX 1 input on the rear of the A-120 amplifier. (Note: AUX 1 is consumer level, AUX 2 is +4 pro level.)
10. Connect optional wired and wireless microphones to the microphone inputs.
11. Set amplifier BASS and TREBLE controls at or near "0" position to start with. Use these controls sparingly to compensated for poor recordings.
12. Set amplifier microphone volume controls to "0" to start with.
13. Set amplifier AUX 1 volume control to "8", and the MASTER volume control to "0".
14. Turn on power to the cassette/tape deck, then the A120 amplifier. Play a cassette or CD of known quality. With loudest passage of music or sound playing, slowly turn up the amplifier's MASTER VOLUME control until the sound level from the underwater speaker reaches an adequate level or the 0dB power indicator flashes on peaks, whichever comes first. Do not drive the amplifier into clipping or distortion, which will harm the speaker.
15. Turn up the microphone volume control(s) as required.
16. Be very careful not to nick, kink, or scrape the speaker cable while deploying or storing -- cable damage is not covered under the warranty and will be the first source of failure if not careful.
17. Store the equipment in a dry location when not in use.