

# Spa15 Speaker

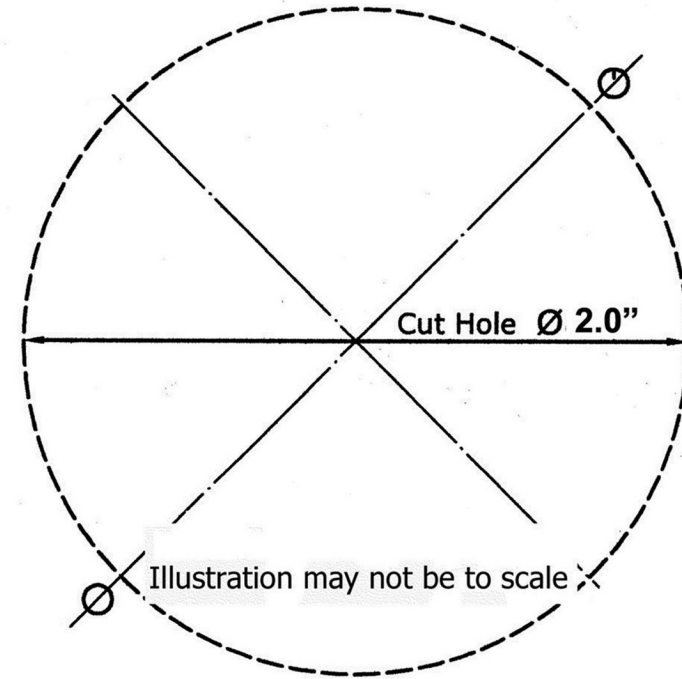
## Install Guide

Thank you for choosing this PQN Audio product. For almost 20 years PQN Audio has been supplying worldwide customers with innovative audio products. While this product is designed to be waterproof / chemical resistant, care must be taken to provide years of performance and not void warranty. Improper installation & over use of caustic spa / cleaning chemicals / ozone will eventually compromise material integrity. Prolonged over-amping at high volumes will also cause failures of all audio products.

- 1- Find a flat location for speaker placement
- 2- Use template dimensions for proper spacing
- 3- Cut 2 - 2.125" hole
- 4- Position speaker & mark screw holes
- 5- Drill 1/16" pilot holes for the screws (**front mounting only**)
- 6- Position U-clip nut over end of screw and tightened, if included
- 7- Connect pos. wire (+) to red speaker wire
- 8- Connect neg. wire (-) to black speaker wire
- 9- Apply bead of non-caustic sealant to rear speaker flange (if desired)
- 10- Secure speaker with provided hardware (if front mounting)
- 11- To rear mount feed wires thru nut prior to connecting wires. Do not over-tighten.
- 12- Connect wires. Snap cover grill in place.

### Trouble Shooting Guidelines

- 1- Water leaks: \* make sure that surface is flat  
\* make sure nut is tightened  
\* use a small bead of silicone under gasket
- 2- No sound: \* all connections/connectors/wires are secure  
\* assure that amp source is properly functional  
\* assure that (+) / (-) from amp source corresponds to proper speaker terminals



NOTE: When Using Silicone Sealant Do Not Allow Any To Make Contact With Speaker Cone

NOTE: While PQN speakers are made to provide years of service, please follow mfg instructions for chemical care of your hot tub. Excessive chemical use/abuse will harm the speakers, shorten usage & void warranty.

NOTE: Make sure speakers are matched to amp source power outputs (Watts / Impedance). Do Not over-amp.

Specifications  
Power: 15WMax  
Imp: 6 ohm  
Wt. <1#  
Mounted Depth: 1.75"  
IP68 / REACH / RoHS / CE



Morro Bay, CA 93442  
805.794.6475  
www.pqnaudio.com

### Warranty Policy

PQN Audio products are warranted to be free of manufacturing defects for a period of one (1) year. Warranty is subject to proper installation & application. Warranty does not cover exposure to excessive chemical usage or operational abuse. Return defective product prepaid to point of purchase for replacement or refund as determined by PQN. Warranty is not transferable. Proof of Purchase must be included.

PQN is not responsible for speaker failure caused by defects/misuse/mfg issues of other amp/subwoofer products.

