

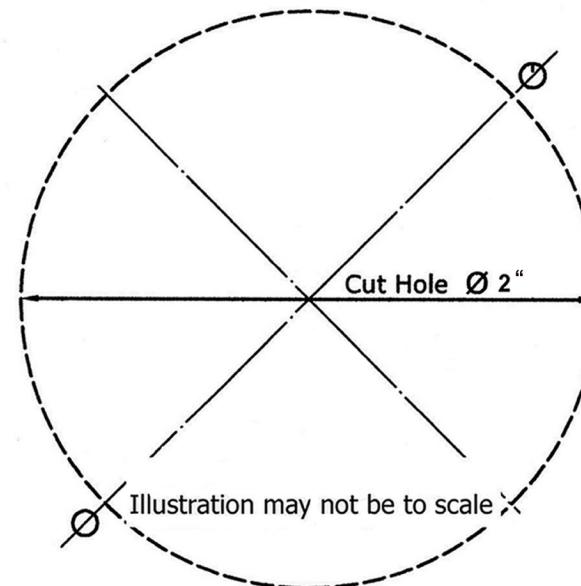
# Spa15 Speaker

## Wall-Fitting Reat Nut / Front Mount Install Guide

Thank you for choosing this PQN Audio product. For over 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. Improper installation and over use of caustic spa / cleaning chemicals / ozone will eventually compromise material integrity. Prolonged over-amping at high volumes will cause failures of all audio products. This product is an exact OEM replacement while suitable for new installs.

Spa15 speakers can be used to replace smaller 1" spa speakers. However, the existing mounting holes will likely need to be reamed slightly larger for the Spa15 to install properly.

- 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- Connect pos. wire (+) to red speaker wire
- 7- Connect neg. wire (-) to black speaker wire
- 8- Apply bead of non-caustic sealant to rear speaker flange
- 9- Front Mount- Secure with stainless steel screws
- 10- Rear Mount - Feed wires thru nut prior to connecting wires.
- 11- Tighten nut securely. Do Not Overtighten.
- 12- Snap cover grill in place.



### Trouble Shooting Guidelines

1. Water Leaks - make sure that surface area is flat & clean  
make sure nut is firmly tightened  
apply a level layer of silicone sealant to gasket
2. No Sound - assure connections/connectors/wires are secure  
assure that amp source is functioning properly  
assure (+) / (-) from amp wire is attached to proper speaker terminals  
assure that signal is working from amp wires
3. Notes - Do Not Over-amp the speakers  
Do Not allow silicone sealants to make contact with speaker cone  
Excessive chemical use will void warranty  
Match amp to speakers  
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 all speakers and shorten usage



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#### 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.

#### Specifications

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

