



## SpaTA4 Audio Transducers BTA-AC30-2C Bluetooth Amp

This kit contains everything needed to add an audio experience.  
Please read all instructions prior to installation.

**Do Not** plug amp into outlet while standing in water

**Do Not** mount where subject to direct rain or water spray

**Do Not** turn unit on before all installation is complete

**Do Not** allow any bare wires to touch while powered on

**Do Not** install transducers into mounting plates prior to allowing epoxy to fully cure

**Note:** amp may not pair or connect to a new device if actively connected to another device.

Assure other devices are not actively connected to the amp or another while pairing/using

**Note:** hand tighten but do not overtighten transducer onto mounting plate

**Note:** NEVER use any thread lock solutions on mounting plate stud as these are caustic to plastic

**Note:** amp should be installed to an outlet with switch or a timer.

**Note:** The material that the transducers are affixed to will determine performance, as well as material thickness & density. Contact PQN Audio prior to installation for needed support.

This Kit Includes:

BTA-AC30 Amp w/AC Plug

SpaTA4 Transducers

2-Part Epoxy

4' Wire Harnesses

### Installation of Transducers

**Note:** While installation is fairly simple the epoxy must be allowed to fully cure prior to affixing transducers. It is recommend to allow atleast 3-4 hrs to allow epoxy to adequately set.

1-This kit includes two (2) 4' harnesses. Choose transducer position which allows for suitable reach of wires to amp.

2- Each tube of epoxy is enough for each mounting plate. Follow epoxy instructions to assure proper mixing.

3- Prep desire surface to be clean and dust free. If surface is excessively rough or uneven some prep might be necessary to assure good adhesion.

4- Unscrew transducer from mounting plates.

5-Apply epoxy to rear of mounting plate assuring full coverage. .20 oz of epoxy is appropriate for each mounting plate.

6- Adhere mounting plate to desired surface. While the epoxy sets its advisable to place tape across mounting plate to help keep in position. Allow epoxy to fully cure prior to screwing transducers onto mounting plates.

7-Once epoxy is fully cured, attach harness to each transducer, assuring pos (+) harness connector is attached to pos (+) transducer terminal and neg (-) to Neg terminal. Red dot denoted pos (+)

8- Once harnesses are attached, screw transducers onto mounting plates. Untangle wires once transducers are tightened.

9-Plug harnesses onto amp connections.

### Transducer Positioning

Float Installs: Position ~1-2" above to ~1-2" below waterline either at head of tank or shoulder positions on sides

Bath Installs: Position ~1-4" down from topside on opposite sides or on common sidewall ~18-24" apart

Sauna Installs: Transducers can be mounted under seats or within wall construction using screws & epoxy.

Recommendation: It is always best to evaluate various positions prior to final installation



Morro Bay, CA USA 93442  
sales@pqnaudio.com

### Installation of Amp

1-Find a suitable location not subject to direct water contact, immersion or spray

2-Make all speaker connections prior to plugging amp into AC source

3-Assure that pos (+) and neg (-) from amp are attached to (+) & (-) of transducers. Failure to connect polarity can lead to amp/transducer failure and poor audio quality.

4-It is recommended to plug amp into a plug equipped with on/off switch, or manually unplug amp after use. Amp does not have an off/on button.

5-Secure amp to a firm surface using screws.

**Do not** use screws to secure onto tank/bath surface.

**Do not** allow amp to run continuously 24/7.

### Bluetooth Activation

1-Assure that transducers are connected to amp properly with wire harnesses.

2-Plug amp in/turn on and listen for pairing code.

3-Search desired device (phone/tablet/laptop) for BTA-AC30-2C.

4-If device asks for PIN code enter **8888**.

5-Allow device and amp to pair. Listen for connection tone.

6-Amp is not paired and connected. Volume is controlled by device.

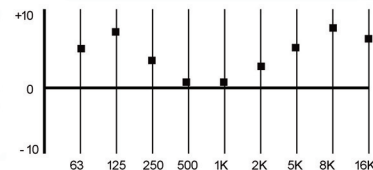
**Note:** If there is no tone make sure amp has power & all connections are made.

### Customizing Audio Performance

1-To optimize yor listening pleasure search your device's audio menu to adjust tonal quality, or for device Equalizer, if available.

2-Typical EQ setting should look similar to curve below, or to your preference.

**Note:** Excessive low freq distortion may cause transducer damage.



**Adjust for speaker clarity and tonal preference**

### Technical

Amp Model: BTA-AC30-2C

Input: 100-240VAC, 50/60 Hz, 1A

Output: 2 Channel

30W/Ch @ 4ohms

20W/Ch @ 6 ohms

Freq Resp: 20Hz-20KHz

Wt. 12.3 oz

Transducer Model: SpaTA

Imp: 4 ohm

Power: 60WMax

Wt: .18 oz

Audio Transducers emit/radiate audio instead of projecting, such as with typical speakers. There are three (3) material factors to consider that will determine transducer performance:

Material type / Material thickness / Material density. PQN transducers are used in many products, such as hot tubs, float tanks & pods, security applications & medical devices.

### Warranty Policy

PQN Audio products are warrantied to be free of manufacturing defects for a period of six (6) months.

Warranty is subject to proper installation & application. Warranty does not cover damage due to excessive 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 required.

PQN Audio products are tested to the highest standards. User assumes all responsibility for misuse of product.

### Warnings:

No Serviceable Parts / Risk of Shock  
Handle With Care to Avoid Damage. Do Not Drop  
Opening or Self Servicing Voids All Warranties