
SOUND+SLEEP Aquarius



Owner's Manual

- Getting Started
- Product Features
- Technical Reference
- Warranty Information

To Our Customers,

Thank you and congratulations on your purchase of the SOUND+SLEEP Aquarius from Adaptive Sound Technologies. You now own the highest quality, travel-friendly, non-looping, water sound sleep machine on the market today.

Aquarius is unique, and the result of serious efforts by sleep, audio, electronics, and software specialists. Natural water sound ecosystems were captured with professional recording equipment and are reproduced in real-time using the latest in advanced electronics. Aquarius has six natural sound categories with three sound Richness selections in each for a total of 18 sleep sound options. All are sounds that have been on planet Earth for millions of years. This convenient product, with a compact yet rugged design, will provide you with a truly enjoyable listening experience whether you are sleeping, reading, or relaxing during travel or at home.

You can also connect your Bluetooth headphones, earbuds, or speaker pillow, and stream music from your smartphone to the Aquarius speaker system.

If you have any suggestions or ideas on how we can make our products better, please let us know.



Sam J. Nicolino Jr.

President and CEO, Adaptive Sound Technologies, Inc.

Write down your Serial Number:

Record your serial number here. Your serial number is printed on the bottom of the machine. Refer to these numbers whenever you contact ASTI regarding this product.

Model Number: **ASM1029**

Name/Part Number: _____

Serial Number: _____

Date of Purchase: _____

Protect your warranty:

Please complete your warranty registration with your reseller using their recommended procedure. You can also register with ASTI at soundofsleep.com to protect your factory warranty.

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Getting Started

Unpack the box, which contains:

1. Aquarius Unit
2. AC Power Adapter & Power Cable
3. Remote Control
4. User Manual (this document)



Headphone Jack

USB-C Connector

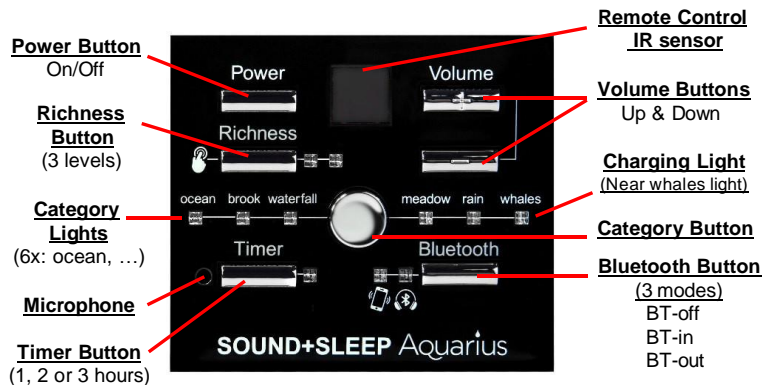
Connect Power by gently pushing the USB-C plug end of the Power Cable into the USB-C connector on the lower right edge of Aquarius (see above), then plug the larger USB-A end of the Power Cable into the supplied AC Power Adapter. Plug the Power Adapter into an un-switched wall outlet. The Aquarius USB-C connector only provides power to the Aquarius unit.

Note: Aquarius can also be powered by the internal battery when AC power is not available. If you prefer, you can leave your Aquarius plugged in all the time. When the internal battery is charging the red charging light will be on.

Turn on Aquarius by pressing the Power Button. The unit can be turned off immediately with the Power Button, or turned off gradually over time with the Sleep Timer (see page 6).

Note: The unit starts in the ocean category with richness level 1 in that category selected. After that the unit will return to the settings used when you last powered it off using the power button or turned off using the Sleep Timer.

Press The Center Button to select the desired sound category. Press the Richness Button to select the complexity of the sound (see page 5). Adjust the volume with the Volume Up/Down Buttons to a comfortable level. If you try to increase volume beyond the maximum level the Timer light will flash.



What Is Special About This Machine?

Richness Control

Aquarius provides three levels of “richness” for the real-time sound generator. As the richness level increases, more sounds are included to generate a more complex sound stream. This layering technique makes the sound generated by Aquarius truly non-looping, and a little different every time you listen.

For example, in the ocean category, the sound stream generated by Aquarius will have the following sounds embedded in it, for the various richness levels:

Richness level 1: Ocean waves and lapping water

Richness level 2: Ocean waves, lapping & gurgling water

Richness level 3: Ocean waves, lapping/gurgling water, seagulls, sea lions

Note: The various sound components do not all play at the same time and randomly vary over time.

To change the richness level, press the Richness Button:



When both lights are off you are in richness level 1, when the leftmost light is on you are in richness level 2, when the rightmost light is on you are in richness level 3.

Bluetooth Operation

Aquarius provides “Bluetooth input mode” (BT-in) and “Bluetooth output mode” (BT-out). Typical BT-in usage is playing music on Aquarius from a smartphone. Typical BT-out usage is playing the Aquarius sounds on BT headphones. You can also turn Bluetooth off (BT-off).



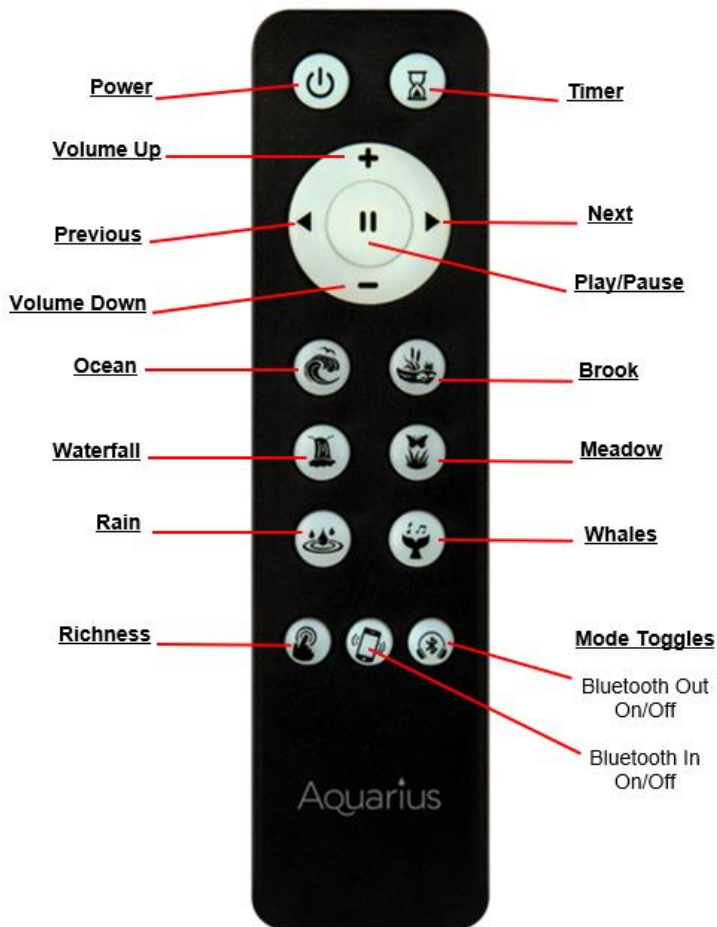
To change operation modes, press the Bluetooth Button. When both lights are off you are in BT-off mode and the Aquarius generated sounds are played on the internal speaker, or sent to the headphone jack if your headphones are plugged in. Press the Bluetooth Button

once and the leftmost light will go on (above the smartphone icon), you are now in BT-in mode and can pair your smartphone or other BT source to Aquarius. Press the Bluetooth Button once more and the rightmost light will go on (above the headphone icon). You are now in BT-out mode and can pair your BT headphones, BT speaker pillow, or other BT output device, to Aquarius. Press the Bluetooth Button again and both lights go off and you are back in BT-off mode. See the Appendix for pairing details. When you use the Power Button or Sleep Timer to turn off Aquarius, it will remember the mode you had set the next time you power Aquarius on.

Aquarius Remote Control

All operations described in the previous sections can also be performed using the remote control. There are also six "shortcut" buttons on the remote to go directly to the desired sound category, and two shortcut buttons to go directly to the desired mode. The Aquarius remote control buttons are described in the figure below. The remote control requires "line of sight" to the IR sensor on the Aquarius front panel (see page 4). The remote buttons glow in the dark.

Note: You cannot be in BT-in and BT-out mode at the same time.



Useful Features

Sleep Timer



Turning on Aquarius with the Power Button results in continuous play unless the Sleep Timer is turned on. To turn on the Sleep Timer press the Timer Button once and the light next to the Timer Button will blink a few times, you are now set for 1 hour of play. If you press the Timer button again the light

will blink again with a different blink pattern, you are now set for 2 hours of play, and a third press will give you 3 hours of play (the light will blink a few times at a fast rate). When set for 3 hours of play you can press the Timer Button again to turn the Timer off. When the Sleep Timer is on it sets Aquarius to play for 1, 2 or 3 hours and then gradually shut off. Use of the Sleep Timer is optional. There is no problem if you want Aquarius playing continuously.

Panel Lights

When any button is pressed, the active lights on the front panel will come on for 30 seconds to display the Aquarius status, and then automatically turn off.

Internal Rechargeable Battery

The internal battery makes Aquarius convenient while on the road. A full charge will allow Aquarius to play for about 32 hours at full volume and longer at lower volumes. In addition, when using Aquarius with AC power, the battery will provide “battery backup” so that if your AC power fails Aquarius will keep playing without interruption.

Note: When the Aquarius battery is charging, the light near the USB-C connector will go on (red). The red charging light is near the “whales” category light. The red charging light will go off when the battery is fully charged (~3.5 hours).

Sleep Sounds

The **Ocean** category has three richness levels to choose from: 1) ocean waves and lapping water 2) add stronger waves and gurgling water 3) also add seagulls, sea lions

The **Brook** category has three richness levels to choose from: 1) Flowing water and wind 2) Add bird wings and splashing 3) Also add song birds and frogs

The **Waterfall** category has three unique waterfalls to choose from

The **Meadow** category has three richness levels to choose from: 1) Crickets and wind 2) Add bird wings and splashing 3) Also add song birds, bees and frogs

The **Rain** category has three richness levels to choose from: 1) Rainfall 2) Heavier rainfall plus wind and light thunder 3) Add more wind and thunder

The **Whales** category has three richness levels to choose from and is similar to the ocean category, except that “whale song” is added

Specifications

Unique Sounds	18
Speaker Compensation	Multi-band parametric EQ
Bluetooth	Supports BT-in and BT-out
Headphone Jack	3.5 mm
Sleep Timer Settings	1, 2 or 3 hours
Power Requirements	5 Volts, 1000 mA, DC
Product Dimensions	5.37" x 4.62" x 2.55"

How to Restore Factory Settings

When Aquarius is turned off, press and hold the Power Button down until the six category lights flash (around 5 seconds), then release the Power Button.

Trouble Shooting

SYMPTOM	POSSIBLE CAUSE	SOLUTION
No operation when power button is pressed	Disconnected Power Cable	Check the power connection on the right side of the Aquarius unit and at the Power Adapter. Both ends of the cable must be firmly seated
	Faulty wall outlet	Try another un-switched wall outlet.
	Aquarius battery needs charging	Charge the battery by connecting AC power to the Aquarius unit
	Need to pair Aquarius to your BT device	See the Appendix (page 9)
The remote control doesn't work	Remote control battery needs replacement	Open the battery door on the remote control and replace the battery (CR2025)
Unit is on, but no sound	Volume is set too low	Press or hold Volume Up button down to increase the Aquarius volume level
	Need to pair Aquarius to your Bluetooth device	See the Appendix (page 9)
Unit goes on briefly but then goes off and/or Timer light flashes repeatedly	Battery needs to be charged	Charge the battery by connecting AC power to the Aquarius unit
Other unexpected behavior	Try the "factory reset" procedure	1) Turn off Aquarius 2) Press and hold down the Power Button until the six category lights flash (about 5 seconds) 3) Release Power Button

Customer Support

If you have problems or questions, please contact your reseller or visit www.astisupport.com

OR CALL ASTI CUSTOMER SUPPORT 1-866-220-2569

Appendix

Using Aquarius with your Smartphone

In the BT-in mode you can pair your smartphone to Aquarius. This will allow you to listen to music, or other audio content like podcasts, from your smartphone in higher fidelity using the Aquarius speaker system instead of your tiny smartphone speakers. When paired, your smartphone can control the volume, next song, previous song, pause/play, the same as when you are playing music content on your phone. Battery status can also be monitored on your smartphone widgets.

TO PAIR AQUARIUS TO YOUR SMARTPHONE:

- 1) Turn on Aquarius with the Power Button on the panel, or on the remote
- 2) Put Aquarius in the BT-in mode (smartphone icon)
- 3) Turn on Bluetooth on your smartphone
- 4) Select the **Aquarius** Bluetooth device on your smartphone

Note: Only one Bluetooth device can be selected at a time. The blue light will flash when preparing to pair, and go solid when paired. You will hear a “connect tone” when paired. When paired to your smartphone the built-in Aquarius microphone allows Aquarius to work as a speakerphone, press the round button on the Aquarius panel to answer phone calls.

Using Aquarius with your Bluetooth Headphones

In the BT-out mode you can pair your BT headphones (or other BT device) to Aquarius for private listening. The Aquarius generated sounds will be transmitted to the paired BT device, the Aquarius speaker system and headphone jack will be muted in this mode.

TO PAIR AQUARIUS TO YOUR BT HEADPHONES:

- 1) Turn on Aquarius with the Power Button on the panel, or on the remote
- 2) Put Aquarius in the BT-out mode (headphone icon)
- 3) Place your Bluetooth headphones close to Aquarius
- 4) Turn on Bluetooth on your Bluetooth headphones
- 5) Aquarius will pair to the closest device (in this case your headphones)

Note: The blue light will flash when preparing to pair, and go solid when paired. You will hear a “connect tone” when paired.

Turning Bluetooth Off

Once connected to Aquarius in either BT-in or BT-out mode, to disconnect Aquarius from your external devices change back to BT-off mode by pressing the appropriate button: On the Aquarius remote control press the selected Mode Toggle Button. On the Aquarius front panel, press the Bluetooth Button until the lights above the smartphone and headphone icons are both off.

Safety, Warranty, and Certifications

Safety Instructions

Read and adhere to all safety and operating instructions before use. Keep this booklet for future reference.

1. **WARNING: Do Not Operate Heavy Machinery or Motor Vehicles While Using this Device.**
2. The unit should be cleaned regularly with a soft, dry cloth. The grill may be vacuumed to remove excessive dust or particle build-up. Do not use any liquids or sprays (including solvents, chemicals or alcohol) or abrasives to clean.
3. The unit should not be used near water, such as a bathtub, swimming pool, faucet or basin to avoid electrocution.
4. Be careful to avoid dropping objects or spilling liquids onto the unit. If liquid is spilled on the unit, unplug and turn it upside down immediately. Allow it to dry thoroughly (one week) before plugging it into a wall outlet again. Following these instructions does not ensure that the unit will be operational.
5. Do not reach for the unit if it has fallen into water. Unplug it immediately at the wall outlet, and, if at all possible, drain water before retrieving the unit.
6. The unit should be situated away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.
7. Avoid placing the unit in areas that are exposed to direct sunlight or close to heat-radiating products such as electric heaters. Do not place unit on top of stereo equipment that radiates heat.
8. Avoid placing in areas that are dusty, humid, moist, lack ventilation, or are subject to constant vibration.
9. The unit may be subject to interference from external sources such as transformers, electric motors or other electronic devices. To avoid distortion from such sources, place the unit as far away from them as possible.
10. Do not apply excessive force when using any switches or controls.
11. The unit should only be used with the power adapter provided.
12. Power cords should be routed to avoid being walked on or pinched by items placed on or against them.
13. Unplug the power adapter from the outlet when the unit is unused for long periods of time or when moving the unit.
14. Do not attempt to service the unit yourself beyond what is described in the operating instructions.



One Year Limited Warranty

Adaptive Sound Technologies, Inc., hereinafter referred to as ASTI, warrants this product against defects in materials and/or workmanship under normal use for a period of ONE (1) YEAR from the date of purchase by the original purchaser ("Warranty Period"). If a defect arises and a valid claim is received within the Warranty Period, at its option, ASTI will either: 1) repair the defect at no charge, using new or refurbished replacement parts, or 2) replace the product with a current product that is close in functionality to the original product. A replacement product or part, including a user-installable part installed in accordance with instructions provided by ASTI, is covered by the remaining warranty of the original purchase.

When a product or part is exchanged, the replacement item becomes your property and the replaced item becomes ASTI's property.

Obtaining Service:

To obtain warranty service please call, or email, your reseller. Please be prepared to describe the product that needs service and the nature of the problem. All repairs and replacements must be authorized in advance by your reseller. A purchase receipt must accompany all returns. Service options, parts availability and response times will vary.

Limits and Exclusions:

This Limited Warranty applies only to the SOUND+SLEEP Aquarius, the remote control, and the included Power Adapter and cable.

This warranty does not apply to: a) damage caused by failure to follow instructions relating to the product's use or to the installation of components; b) damage caused by accident, abuse, misuse, fire, floods, earthquake or other external causes; c) damage caused by service performed by anyone who is not a representative of ASTI; d) accessories used in conjunction with a covered product; e) a product or part that has been modified to alter functionality or capability; or f) any and all pre-existing conditions that occur prior to the effective date of this Limited Warranty relating to any product sold "as is" including, without limitation, floor demonstration models and refurbished items.

ADAPTIVE SOUND TECHNOLOGIES, INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. TO THE EXTENT PERMITTED BY APPLICABLE LAW, ASTI DISCLAIMS ANY AND ALL STATUTORY OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND WARRANTIES AGAINST HIDDEN OR LATENT DEFECTS. IF ASTI CANNOT LAWFULLY DISCLAIM STATUTORY OR IMPLIED WARRANTIES, THEN TO THE EXTENT PERMITTED BY LAW, ALL SUCH WARRANTIES SHALL BE LIMITED IN DURATION TO THE DURATION OF THIS EXPRESS WARRANTY.

Some geographic areas disallow the exclusion or limitation of incidental or consequential damages or the length of an implied warranty. As a consequence, some of the above exclusions or limitations may not apply to buyers residing in those areas. This warranty grants specific legal rights to buyers, but other rights may also be granted, which vary from country to country, state to state, etc.

Software Licensing

The software contained in the SOUND+SLEEP Aquarius is licensed to you, not sold to you. This is only to protect our intellectual property and has no effect on your ability to use SOUND+SLEEP Aquarius wherever you please.

FCC Warnings

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IC WARNING

This radio transmitter has been approved by Industry Canada.

This Class B digital apparatus complies with Canadian standard ICES-003.

This device complies with Industry Canada License exempt RSS standard(s).

Operation is subject to the following two conditions.

(1) This device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Industrie Canada (IC)

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

AVIS RELATIFS À L'EXPOSITION RF

Cet équipement est conforme aux limites d'exposition au rayonnement ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

Declaration

Declaration of Conformity

Trade Name: ASTI SOUND+SLEEP Aquarius Sleep Sound System
Model Name: ASM1029
Responsible Party: Adaptive Sound Technologies, Inc.
Address: 1475 South Bascom Ave, Campbell, CA 95008 USA
Telephone Number: 1-408-377-3411

This device complies with part 15 of the FCC Rules and with Industry Canada License- exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Designed in California, USA
by
Adaptive Sound Technologies®



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