

Spec sheet of Waterproof Bluetooth Speaker aquapod

A. Brief Introduction

aquapod is a newly designed waterproof Bluetooth Speaker for almost everywhere(swimming, shower, outdoor and biking.....), it is a waterproof, shakeproof, dropproof speaker.

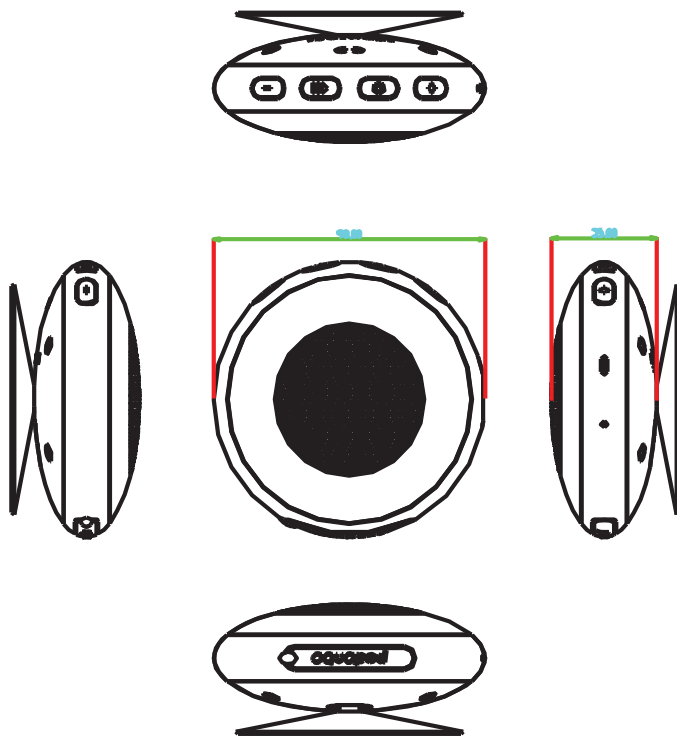
aquapod has built-in CSR Bluetooth chipset, it integrates the Bluetooth 4.0 function for a ultrahigh data transmission rate and distance (more than 10 meters); the built-in lithium polymer battery provides more than 4 hours' working time; the speaker uses ABS material as the main structure to make itself stable, and with soft rubber finishing to assure comfortable feeling: all buttons designed in rubber with LED lights to show an easy way while operating; built-in high sensitive microphone for a clear talking.

aquapod brings a high quality music life, free your hands and let you enjoy the wireless communication everywhere.

B. Outlook Structure

Main materials: ABS /silicon/ mess

Item size: 85*85*45mm (L*W*H)



C Electrical Features

Bluetooth Version	Bluetooth 4.0
Bluetooth Name	aquapod
Standby Current	$\leq 200\mu\text{A}$
Working Current	$\leq 20\text{mA}$ (minimum volume)
Working Voltage	DC 2.7-4.2 V
Charging Current	DC 5V 300mA (red LED lights)
Speaker Unit	IPX7 waterproof driver unit $\phi 45$ 4 Ω 3.5W (max) 100-18000Hz
Microphone	sensitivity: $-48 \pm 3\text{dB}$; omni-directional; S.N.R $\geq 60\text{dB}$
Battery	550mAH 3.7V lithium polymer battery
Battery Life	≥ 500 times (then the capacity goes down non-linearly)
Charging Time	2H (fully charge)
Standby Time	$\geq 2000\text{H}$
Working Time	≥ 4.5 H (in iphone 70% volume)
Working Distance	$\geq 10\text{M}$ (in the open air)
Working frequency	2.402-2.480 GHZ
Waterproof rank	IPX 7 (no harmful effects by drop into the water)
S/N	$\geq 70\text{db}$
Distortion	$\leq 1\%$

D Bluetooth spec

Bluetooth Profiles:

Bluetooth v4.0 specification support

HFP v1.6

HSP v1.2

A2DP v1.2

AVRCP v1.4

DI v1.3

D Operating

Button Definition:



Multi-button

power on/ power off/ activate siri(IOS system) or voice control(android system).



Phone call button

phone answer/ phone hung up/ re-dial last call



Next button/Volume up

volume up /next music





Previous button/Volume down


volume down/previous music



Operation:



First please activate your mobile phone Bluetooth function, and enter the searching mode.




Power on: press  button for 2 seconds, the speaker will power on, you'll hear the "power on" voice prompt.

Activate Bluetooth pairing: The speaker will enter pairing mode automatically if there is no paired device could connect. If there is a phone was connected you also could enter pairing mode by press and hold  for 2 seconds.

Power off: press  button for 3 seconds, the speaker will power off, you'll hear the "aquadpod power off" voice prompt.

Select music: please press and hold  button for 1second to select next music; please press and hold  button for 1second to select previous music.

Select volume: press on  button to turn the volume up; and press  button to turn the volume down

Phone answer/hang up: when phone call comes, please press  button to answer the call; when phone call ended, please press  button again to hang up the call; please note when phone call comes, continuously press on  button 3 seconds will reject the call.

Active siri or voice control: double press the  button to active siri on IOS system or voice control on androd system.

Last call re-dial: please double press the  button to re-dial last phone call

Line in function: please use the attached cable to connect the music device and the speaker.

Charging: please use the attached USB cable to charge by computer USB port or other output 5V chargers.

E Reliability Test and Certificates

Reliability testing:

Environmental testing	Heat resisting	Put in +60°C environment for 2 hours, then check if the main body deform or drop off, check if it can work normally
	Cold resisting	Put in -20°C environment for 2 hours, then check if the main body deform or drop off, check if it can work normally

IPX 7 waterproof test: PASS

CE certificate: PASS

ROHS Testing: PASS

F Notes

Please use the speaker in appropriate condition (-20°C to +50°C)

Please don't drop the speaker from high .

Please charge the battery if:

(1) speaker power off automatically in many times

Please do not disassemble the headphone.

G Accessories, Packages, and Photos

Accessories:

Details:

Different colors

FCC Statement

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.

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

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.